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¶ The information contained herein is authentic, as nothing has been listed that has not come direct from the operators themselves. The analysis of any mine on file will be furnished free on receipt of stamped envelope. These analyses can not be guaranteed, but will be given just as received by me.

¶ The index will be found very useful to anyone dealing with the mines, as it shows the location of the General Office, Purchasing Agent's name, and also, his address when located at some other place. It also shows where more than one company are in the same office, with one person buying for them all. This will be found very useful as a mailing list, as postage and advertising matter can be saved.

¶ "COAL MINES" will be published annually with the data revised each year, and every effort will be made to furnish reliable information, strictly up-to-date.

¶ I desire to thank all who have assisted in any way in making this issue a success, and hope the information contained herein will be found interesting, useful and instructive.

Yours very truly,

B. H. ROSE

Printed by
The O. S. Hubbell Printing Co.
Cleveland, O.

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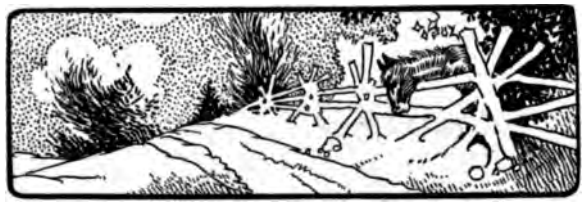

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The Jeffrey Manufacturing Company

1910 *Columbus,* Ohio

ALABAMA

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Blocton	Bibb
Blue Creek	Jefferson
Brookwood	Tuscaloosa
Brushy Creek	De Kalb
Buck	Sibley
Cahaba	Bibb
Carter	Tuscaloosa
Clark (No. 1)	Bibb
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Durham	Walker
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Jefferson	Jefferson
Mary Lee	Jefferson—Walker
Midvale	Tuscaloosa
Milldale	Tuscaloosa
Montevallo	Sibley
Mount Carmel	Walker
Nickel Plate	Jefferson
Pratt	Jefferson—Walker
Thompson	Bibb—Jefferson
Underwood	Bibb
Upper	St. Clair
Youngblood	Bibb

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LOUISVILLE & NASHVILLE RAILROAD.

ALABAMA FUEL & IRON CO., Birmingham, operates Daley mine at Marvel. (Also Southern Ry.) VEIN Black Shale. Thickness 4 ft. Slope. Pick mine. Daily capacity 800 tons.

BESSEMER COAL, IRON & LAND CO., Birmingham, operates Belle Ellen mine at Belle Ellen. (Also Southern Ry.) VEIN Youngblood. Thickness 3 ft. Slope. Pick mine. Daily capacity 500 tons. Trade name "Belle Ellen." Analysis on file.

BLOCTON CAHABA COAL CO., Coleanor, operates Coleanor mine at Coleanor. (Also Southern Ry.) VEIN Thompson. Thickness 4½ to 5 ft. Slope. Pick mine. Daily capacity 450 tons. Trade name "Coleanor." Analysis on file.

CAHABA SOUTHERN COAL MINING CO., Birmingham, operates Hargrove mine at Hargrove. (Also Southern Ry.) VEIN Underwood. Thickness 5 ft. Slope. Pick mine. Daily capacity 500 tons.

GALLOWAY COAL CO., Memphis, Tenn., operates Garnsey mine at Garnsey. (Also Southern Ry.) VEIN Thompson. Thickness 4½ ft. Slope. Pick mine. Daily capacity 1200 tons. Trade name "Garnsey."

HILLS CREEK COAL CO., Blocton, operates Slope No. 2 at Blocton. (See A. G. S. R. R.)

HOWELLS MINING CO., THE, Blocton, operates Smith Shaft at Blocton. (See A. G. S. R. R.)

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ALABAMA—Bibb County—L. & N. R. R.—(Continued)

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RODEN COAL CO., Marvel, operates Marvel mines Nos. 1 and 2 at Marvel. (Also Southern Ry.) VEINS Clark and Golson. Thickness 4 ft. Slopes. Pick mines. Daily capacity 2000 tons. Trade name "Marvel." Analysis on file.

MOBILE & OHIO RAILROAD.

BRAEHEAD COAL CO., Atlanta, Ga., operates Braehead mines at Braehead. VEIN Cahaba. Thickness 3½ ft. Slope. Pick mine. Daily capacity 200 tons. Trade name "Cahaba."

HOWELLS MINING CO., THE, Blocton, operates Smith Shaft at Blocton. (See A. G. S. R. R.)

RED FEATHER COAL CO., Atlanta, Ga., operates Red Feather mine at Blocton. VEIN Underwood. Thickness 4 ft. Slope. Pick mine. Daily capacity 450 tons. Trade name "Red Feather."

TENNESSEE COAL, IRON & RAILROAD CO., Birmingham, operates Blocton mines Nos. 2, 3, 7 and 8 at Blocton. VEIN Thompson. Thickness 5 to 6 ft. Slopes. Pick mines. Daily capacity 2800 tons.

SOUTHERN RAILWAY.

ALABAMA FUEL & IRON CO., Birmingham, operates Daley mine at Marvel. (See L. & N. R. R.)

BESSEMER COAL, IRON & LAND CO., Birmingham, operates Belle Ellen mine at Belle Ellen. (See L. & N. R. R.)

BLOCTON CAHABA COAL CO., Coleanor, operates Coleanor mine at Coleanor. (See L. & N. R. R.)

CAHABA SOUTHERN COAL MINING CO., Birmingham, operates Hargrove mine at Hargrove. (See L. & N. R. R.)

CALLOWAY COAL CO., Memphis, Tenn., operates Carnsey mine at Carnsey. (See L. & N. R. R.)
Same Company operates Savage Creek mine at Carnsey. VEIN Thompson. Thickness 4½ ft. Slope. Pick mine. Daily capacity 500 tons. Trade name "Carnsey."

HILLS CREEK COAL CO., Blocton, operates Slope No. 2 at Blocton. (See A. G. S. R. R.)

HOWELLS MINING CO., THE, Blocton, operates Smith Shaft at Blocton. (See A. G. S. R. R.)

LITTLE CAHABA COAL CO., Piper, operates Piper mines Nos. 1 and 2 at Piper. (See L. & N. R. R.)

JEFFREY COAL WASHING EQUIPMENTS for reduction of ash or sulphur in coal. Bulletin No. 27 contains descriptions of many interesting washing installations. The Jeffrey Manufacturing Company, Columbus, Ohio.

GOODRICH CONVEYOR BELTS
Will Handle Your Coal Economically.
THE B. F. GOODRICH COMPANY, Akron, O. Write for Special Literature

ALABAMA—Bibb County—Southern Ry.—(Continued)

RODEN COAL CO., Marvel, operates Marvel mines Nos. 1 and 2 at Marvel. (See L. & N. R. R.)

BLOUNT COUNTY—County Seat, Oneonto.

LOUISVILLE & NASHVILLE RAILROAD.

LEHIGH COAL CO., Lehigh, operates Lehigh mine at Lehigh. VEIN Black Creek. Thickness 3 ft. Drift. Pick mine. Daily capacity 400 tons. Analysis on file.

DE KALB COUNTY—County Seat, Fort Payne.

ALABAMA GREAT SOUTHERN RAILWAY.

RAGAN MINING CO., Chattanooga, Tenn., operates Eureka mine near Battelle. VEIN Eureka. Thickness 3 to 5 ft. Slope. Machine mine. Daily capacity 300 tons.

CHATTANOOGA SOUTHERN RAILROAD.

LOOKOUT FUEL CO., Lahusage, operates Lookout mine at Lahusage. VEIN Brushy Creek. Thickness 2 ft. 2 in. Drift and Incline. Pick mine. Daily capacity 100 tons. Trade name "Lookout-Vulcan" Blacksmith Coal. Analysis on file.

JEFFERSON COUNTY—County Seat, Birmingham.

BIRMINGHAM SOUTHERN RAILROAD.

TENNESSEE COAL, IRON & RAILROAD CO., Birmingham, operates Pratt mine No. 1 at Pratt City. VEIN Pratt. Thickness 4 ft. Shaft and Slope. Pick and Machine mine. Daily capacity 600 tons.
Same Company operates Pratt mines Nos. 2, 7, 10 and 14 at Pratt City. VEIN Pratt. Thickness 4 ft. Slopes. Pick mines. Daily capacity 1850 tons.
Same Company operates Pratt mine No. 3 at Ensley. VEIN Pratt. Thickness 4 ft. Slope. Machine mine. Daily capacity 1300 tons.
Same Company operates Pratt mine No. 4 at Ensley. VEIN Pratt. Thickness 4 ft. to 4 ft. 4 in. Slope. Pick and Machine mine. Daily capacity 1000 tons.
Same Company operates Pratt mines Nos. 5 and 8 at Wylam. VEIN Pratt. Thickness 4 ft. Slopes. Pick and Machine mines. Daily capacity 1750 tons.
Same Company operates Pratt mine No. 12 at Booker City. VEIN Pratt. Thickness 40 to 48 in. Shaft. Machine mine. Daily capacity 1500 tons.
Same Company operates Pratt Drifts at Pratt City. VEIN Pratt. Thickness 4 ft. to 4 ft. 4 in. Drift. Pick mine. Daily capacity 150 tons.

ENSLEY SOUTHERN RAILROAD.

PRATT CONSOLIDATED COAL CO., Birmingham, operates Maxine mine at Maxine. VEIN Pratt. Thickness 3½ ft. Drift. Pick mine. Daily capacity 800 tons. Trade name "Pratt." Analysis on file.

AUSTIN POWDER COMPANY, Cleveland, Ohio
Manufacturers of The Highest Standard of
Mining and Blasting Powders

Pratt Consolidated Coal Company

MINERS AND SHIPPERS OF

PRATT AND OTHER HIGH GRADE COALS

AND MANUFACTURERS OF COKE

BIRMINGHAM, ALA.

ALABAMA—Jefferson County—(Continued)

LOUISVILLE & NASHVILLE RAILROAD.

CENTRAL COAL CO., Birmingham, operates Kimberly mine No. 2 at Kimberly. VEIN Jefferson. Thickness 3 ft. Slope. Pick mine. Daily capacity 750 tons.

CRESCENT COAL CO., Birmingham, operates Seloca mine at Seloca. VEIN Jefferson. Thickness 3½ ft. Slope. Pick mine. Daily capacity 300 tons. Analysis on file.

DESOTA COAL MINING & DEVELOPMENT CO., Birmingham, operates Indio mine at Morris. VEINS Jefferson and Black Creek. Thickness 3 ft. Shaft. Pick mine. Daily capacity 600 tons. Trade name "Indio." Analysis on file.

EAST PRATT COAL CO., Birmingham, operates Clift Drifts Nos. 1 and 3 at Clift. VEIN Pratt. Thickness 3 ft. 3 in. Drifts. Pick mines. Daily capacity 250 tons.

EXPORT PRATT COAL CO., Birmingham, operates Export mine at Praco. VEINS Pratt and Nickle Plate. Thickness 3 and 3½ ft. respectively. Drifts. Pick mines. Daily capacity 150 tons. Trade name "Export."

IMPERIAL COAL & COKE CO., Birmingham, operates mines Nos. 1, 2 and 3 at Bradford. VEIN Black Creek. Thickness 20 to 48 in. Drifts and Slopes. Pick mine. Daily capacity 200 to 250 tons. Analysis on file.

MABEL MINING CO., Warrior, operates Mabel mine at El Vesta. VEIN Black Creek. Drifts and Incline. Pick mine. Daily capacity 250 tons. Trade name "Mabel Black Creek." Analysis on file.

MILNER COAL & RAILROAD CO., Anniston, operates New Castle mine at New Castle. VEIN*. Thickness 6 ft. Slope. Pick mine. Daily capacity 1500 tons. Trade name "Milner."

PRATT CONSOLIDATED COAL CO., Birmingham, operates Blacree mine at Colta. VEIN Black Creek. Thickness 3 ft. Slope. Pick mine. Daily capacity 300 tons. Trade name "Black Creek." Analysis on file.

Same Company operates Praco mine at Praco. VEIN Big Seam. Thickness 7 to 8 ft. Drift. Pick Mine. Daily capacity 800 tons. Analysis on file.

Same Company operates Mineral Springs mine at Mineral Springs, Arcadia mine at Arcadia, Crocker mine at Crocker and Jett mine at Yasmar. VEIN Pratt. Thickness 3 to 4½ ft. Drifts. Pick mines. Daily capacity 2150 tons. Trade name "Pratt." Analyses on file.

Same Company operates Banner mine at Banner. VEIN Big Seam. Thickness 7 to 8 ft. Shaft. Machine mine. Daily Capacity 2000 tons. Trade name "Banner." Analysis on file.

SIBLEY BROTHERS COAL CO., Birmingham, operates Langley mines Nos. 1 and 2 at Langley. VEIN Black Creek. Thickness 30 in. Drifts. Pick and Machine mines. Daily capacity 250 tons. Trade name "Sibley Black Creek." Analysis on file.

*NOT REPORTED

JEFFREY CRUSHERS AND PULVERIZERS for reducing Coal and Coke are the best on the market. Bulletin No. 31 explains reasons why. Send for copy. The Jeffrey Manufacturing Company, Columbus, Ohio.

One Goodrich Conveyor Belt Deserves Another

Renewal Orders Come Easily.

The B. F. Goodrich Co. Akron, Ohio

ALABAMA—Jefferson County—L. & N. R. R.—(Continued)

SOUTH PRATT COAL CO., Birmingham, operates Ridgeland mine at Ridgeland. VEIN Pratt. Thickness 39 in. Drift. Pick mine. Daily capacity 125 tons.

TENNESSEE COAL, IRON & RAILROAD CO., Birmingham, operates Blue Creek mine at Sunter, Blue Creek No. 4 at Johns, Blue Creek No. 5 at Adger and Blue Creek No. 6 at Apatele. VEIN Blue Creek. Thickness 6 ft. Slopes. Pick mines. Daily capacity 2850 tons.

MARY LEE RAILROAD.

ALABAMA CONSOLIDATED COAL & IRON CO., Birmingham, operates Lewisburg mine at Lewisburg. VEIN Mary Lee. Thickness 6 ft. Slope. Pick mine. Daily capacity 1200 tons. Analysis on file.

ST. LOUIS & SAN FRANCISCO RAILROAD.

PALOS COAL & COKE CO., Palos, operates Palos mines Nos. 1 and 4 at Palos. VEIN Mary Lee. Thickness 4 to 6 ft. Slopes. Pick and Machine mines. Daily capacity 800 tons. Analysis on file.

SOUTHERN RAILWAY.

BIG FOUR COAL CO., Birmingham, operates Big Four mine at Birmingham. VEIN Big Seam. Thickness 7 ft. 4 in. Slope. Pick mine. Daily capacity 300 tons.

PRATT CONSOLIDATED COAL CO., Birmingham, operates New Pratt and Togo mines at Blossburg. VEIN Pratt. Thickness 3 to 4½ ft. Drifts. Pick mines. Daily capacity 1100 tons. Trade name "Pratt." Analysis on file.

TENNESSEE COAL, IRON & RAILROAD CO., Birmingham, operates Blossburg mines "A," "B" and "E" at Blossburg. VEIN Pratt. Thickness 38 to 48 in. Slopes. Pick mines. Daily capacity 1175 tons.
Same Company operates Henry Ellen mine No. 6 at Henry Ellen. VEIN Thompson. Thickness 6 ft. Slope. Pick mine. Daily capacity 250 tons.

WARRIOR-PRATT COAL CO., Birmingham, operates Porter mine at Porter. VEIN Mary Lee. Thickness 10 ft. Slope. Machine and Pick mine. Daily capacity 600 tons.

ST. CLAIR COUNTY—County Seat, Ashville.

CENTRAL OF GEORGIA RAILROAD.

ALABAMA FUEL & IRON CO., Birmingham, operates Margaret mine at Margaret. VEIN Harkness. Thickness 5 ft. Slope. Pick mine. Daily capacity 1500 tons.

SEABOARD AIR LINE RAILWAY.

BRANCH COAL CO., Coal City, operates Branch mine at Coal City. VEIN Upper. Thickness 5 ft. Slope. Pick mine. Daily capacity 60 tons.

THE UPSON-WALTON COMPANY *CLEVELAND OHIO*

BRATTICE CLOTH and WIRE ROPE

CORDAGE and TACKLE BLOCKS

JEFFREY BUCKET ELEVATORS are made in sizes to suit a variety of requirements. Bucket Booklet No. 34 will be mailed on request. The Jeffrey Manufacturing Company, Columbus, Ohio.

ALABAMA—(Continued)

SIBLEY COUNTY—County Seat, Columbiana.

LOUISVILLE & NASHVILLE RAILROAD.

ALABAMA FUEL & IRON CO., Birmingham, operates Acton mine at Acton. VEINS Helena and Black Shale. Thickness 6½ and 3½ ft. respectively. Slope. Pick mine. Daily capacity 1500 tons.

BUCK COAL CO., Birmingham, operates Falliston mine at Falliston. (Also Mineral R. R.) VEIN Buck. Thickness 3½ to 4 ft. Slope. Pick mine. Daily capacity 150 tons. Trade name "Falliston Cahaba." Analysis on file.

CAHABA COAL CO., Birmingham, operates mine at Coalmont. VEIN Thompson. Thickness 4 to 5 ft. Slope. Pick mine. Daily capacity 500 tons. Trade name "Coalmont."

MINERAL RAILROAD.

BUCK COAL CO., Birmingham, operates Falliston mine at Falliston. (See L. & N. R. R.)

SOUTHERN RAILWAY.

CLIMAX COAL CO., Maylene, operates Climax mine at Maylene. VEIN Climax. Thickness 28 in. Slope. Pick mine. Daily capacity 125 tons. Analysis on file.

MONTEVALLO MINING CO., Aldrich, operates Montevallo Slope No. 1 at Aldrich. VEIN Montevallo. Thickness 30 in. Slope. Machine mine. Daily capacity 175 tons. Trade name "Montevallo." Analysis on file.

MONTEVALLO-SHELBY COAL CO., Straven, operates Montevallo mine at Straven. VEIN Montevallo. Thickness 2 ft. 2 in. Slope. Trade name "Montevallo." Analysis on file.

SOUTHERN COAL & COKE CO., Maylene, operates Glen Carbon mine at Glen Carbon. VEIN Gholson. Thickness 3½ ft. Slope. Pick mine. Daily capacity 400 tons. Analysis on file.

TUSCALOOSA COUNTY—County Seat, Tuscaloosa.

LOUISVILLE & NASHVILLE RAILROAD.

ABERNANT COAL CO., Abernant, operates Abernant mine at Abernant. (Also Mineral R. R.) VEIN Jagger. Thickness 6 ft. Slope. Pick mine. Daily capacity 500 tons. Analysis on file.

ALABAMA CONSOLIDATED COAL & IRON CO., Birmingham, operates Searless mine at Searless. VEINS Brookwood and Milldale combined. Thickness 6 ft. Drift and Slope. Pick mine. Daily capacity 1500 tons. Analysis on file.

Same Company operates Brookwood mine at Brookwood. VEINS Midvale and Carter. Thickness each 30 in. Slope. Pick mine. Daily capacity 400 tons. Analysis on file.

Same Company operates Brookwood mine. VEIN Brookwood. Thickness 4 ft. Drift. Pick mine. Daily capacity 400 tons. Analysis on file.

GOODRICH CONVEYOR BELTS

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AUSTIN POWDER COMPANY

Manufacturers of
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Dealers in
Fuse, Caps and Blasting Supplies

CLEVELAND OHIO

ALABAMA—Tuscaloosa County—L. & N. R. R.—(Continued)

DAVIS CREEK COAL & COKE CO., Abernant, operates Rockcastle mine at Rockcastle. VEIN Jagger. Thickness 7½ ft. Slope. Pick mine. Daily capacity 700 tons. Trade name "Rockcastle." Analysis on file.

YOLANDE COAL & COKE CO., Birmingham, operates Yolande mine at Yolande. VEIN Jagger. Thickness 7 ft. Slope. Pick mine. Daily capacity 1600 tons. Analysis on file.

MINERAL RAILROAD.

ABERNANT COAL CO., Abernant, operates Abernant mine at Abernant. (See L. & N. R. R.)

MOBILE & OHIO RAILROAD.

CENTRAL IRON & COAL CO., Holt, operates Kellerman mine at Kellerman. VEINS Brookwood and Milldale. Thickness 6 ft. Drift. Pick mine. Daily capacity 1100 tons.

DEER CREEK COAL CO., Marietta, operates Tidewater mine at Tidewater. VEIN*. Thickness 4 ft. Drift. Pick mine. Daily capacity 50 tons.

WARRIOR RIVER.

BLAIR COAL CO., Tuscaloosa, operates Blair mine at Tuscaloosa. VEIN Gorel. Thickness 3½ ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

WALKER COUNTY—County Seat, Jasper.

CENTRAL OF GEORGIA RAILWAY.

DURHAM COAL & COKE CO., Chattanooga, Tenn., operates Durham mine at Pittsburgh, Ga. VEIN Durham. Thickness 4 ft. Drift. Pick mine. Daily capacity 900 tons. Analysis on file.

ILLINOIS CENTRAL RAILROAD.

FRISCO-CENTRALS COAL CO., Birmingham, operates mine No. 2 at Dora. (Also St. Louis & San Francisco R. R.) VEIN Big Seam. Thickness 3 to 9 ft. Drift and Slope. Pick mine. Daily capacity 200 tons.

SAMOSET COAL CO., Samoset, operates Samoset mine at Samoset. (Also St. Louis & San Francisco R. R.) VEIN Big Seam. Thickness 7 ft. Slope. Pick mine. Daily capacity 350 tons.

WEST PRATT COAL CO., Birmingham, operates mines Nos. 1 to 8 and Bear Hollow mine at Dora. (Also St. Louis & San Francisco R. R.) VEIN Mt. Carmel. Thickness 3 to 6 ft. Drifts and Slopes. Pick mines. Daily capacity 800 tons.

LOUISVILLE & NASHVILLE RAILROAD.

PRATT CONSOLIDATED COAL CO., Birmingham, operates Hecla mine at Hecla. VEIN Black Creek. Thickness 3 ft. Slope. Pick mine. Daily capacity 300 tons. Trade name 'Black Creek." Analysis on file.
Same Company operates Wegra, Camma and Colta mines at Colta. VEIN Big Seam. Thickness 7 to 8 ft. Slopes. Pick mines. Daily capacity 1600 tons. Trade name "Colta." Analysis on file.

JEFFREY COAL MINE EQUIPMENTS are selected for Mines where strictly modern and dependable apparatus is required. Write for particulars. The Jeffrey Manufacturing Company, Columbus, Ohio.

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PRATT AND OTHER HIGH GRADE COALS
AND MANUFACTURERS OF COKE
BIRMINGHAM, ALA.

ALABAMA—Walker County—(Continued)
NORTHERN ALABAMA RAILWAY.

BLACK CREEK COAL CO., Nauvoo, operates mines Nos. 1 and 2 at Nauvoo. (Also Southern Ry.) VEIN Black Creek. Thickness 28 to 36 in. Drifts. Machine and Pick mines. Daily capacity 300 tons. Analysis on file.

CAHABA COAL CO., Birmingham, operates mine at Nauvoo. VEIN Black Creek. Thickness 28 in. Drift. Machine mine. Daily capacity 150 tons. Trade name "Nauvoo."

JOHN HENRY COAL CO., Jasper, operates John Henry mine at Jasper. VEIN Mary Lee. Thickness 6 ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

PRATT CONSOLIDATED COAL CO., Birmingham, operates Gamble mine at Gamble. VEIN Mary Lee. Thickness 7 to 8 ft. Slope. Pick mine. Daily capacity 600 tons. Trade name "Gamble." Analysis on file. Same Company operates Mammoth mine at Mammoth. VEIN Mary Lee. Thickness 8 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Mammoth." Analysis on file.

ST. LOUIS & SAN FRANCISCO RAILROAD.

ALABAMA COAL CO., Birmingham, operates Alabama and No. 3 mines at Galloway. VEIN Jagger. Thickness 4½ ft. Slopes. Pick mines. Daily capacity 300 tons. Analysis on file.

BLACK CROW COAL CO., Birmingham, operates McCullum mine at McCullum. VEIN Big Seam. Thickness 6 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Black Crow." Analysis on file.

BLACK DIAMOND COAL MINING CO., Birmingham, operates Black Diamond mine at Dora. VEIN Big Seam. Thickness 6½ ft. Drift.

CARBON HILL & LOST CREEK COAL & COKE CO., Carbon Hill, operates West Carbon mine at Carbon Hill. VEIN Jagger. Thickness 3 ft. 4 in. Slope. Pick mine. Daily capacity 200 tons.

COMMERCIAL COAL MINING CO., Birmingham, operates Commercial mine at Lorton. VEIN Big Seam. Thickness 6½ ft. Drift.

EMPIRE COAL CO., Birmingham, operates Empire mine at Empire. VEIN Black Creek. Thickness 32 in. Drift. Machine and Pick mine. Daily capacity 750 tons. Analysis on file.

FRISCO-CENTRALS COAL CO., Birmingham, operates mine No. 2 at Dora. (See Ill. Cent. R. R.)

GALLOWAY COAL CO., Memphis, Tenn., operates mines Nos. 5 and 6 at Carbon Hill. VEIN Jagger. Thickness 4½ ft. Slopes. Machine and Pick mines. Daily capacity 2100 tons. Trade name "Galloway." Same Company operates Chickasaw mine at Chickasaw. VEIN Jagger. Thickness 4½ ft. Shaft. Machine and Pick mine. Daily capacity 750 tons. Trade name "Galloway."

GREAT ELK CO., Carbon Hill, operates McDonald mine at Carbon Hill. VEIN Jagger. Thickness 4 ft. 8 in. Shaft. Machine and Pick mine. Daily capacity 350 tons.

Galloway Coal Company
EXCLUSIVE MINERS OF
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Brattice Cloth and Wire Rope — **Cordage and Tackle Blocks**

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CLEVELAND, OHIO

ALABAMA—Walker County—St. L. & S. F. R. R.—(Continued)

INDIAN HEAD MILLS OF ALABAMA, Cordova, operates Indian Head mine at Cordova. (Also Southern Ry.) VEIN Mt. Carmel. Thickness 3 to 4 ft. Drift. Pick mine. Daily capacity 75 tons.

PIEL MINING CO., JOHN D., Birmingham, operates Pocahontas mine at Pocahontas. VEIN Jagger. Thickness 3½ to 5 ft. Shaft. Pick mine. Daily capacity 300 tons. Analysis on file.

PRATT CONSOLIDATED COAL CO., Birmingham, operates Dora mines Nos. 8 and 10 at Dora. VEIN Big Seam. Thickness 7 to 8 ft. Slope. Pick mine. Daily capacity 1350 tons. Trade name "Dora." Analysis on file.

SAMOSET COAL CO., Samoset, operates Samoset mine at Samoset. VEIN Mary Lee. Thickness 6 to 9 ft. Slope. Pick mine. Daily capacity 400 tons. **Same Company** operates another mine at Samoset. (See Ill. Cent. R. R.)

WEST PRATT COAL CO., Birmingham, operates mines Nos. 1 to 8 and Bear Hollow mine at Dora. (See Ill. Cent. R. R.)

YARBROUGH COAL CO., Carbon Hill, operates Yarbrough mine No. 3 at Carbon Hill. VEIN Jagger. Thickness 5 ft. Slope. Machine mine. Daily capacity 500 tons.

SOUTHERN RAILWAY.

ALABAMA COAL, MINERAL & LUMBER CO., Reading, Pa., operates Ruby mine at Cordova. VEIN Big Vein or Horse Creek. Thickness 3 to 6 ft. Drift. Machine and Pick mine. Daily capacity 250 tons. Analysis on file.

ANNIE MAE COAL MINING CO., Corona, operates Annie Mae mine at Corona. VEIN Black Creek. Thickness 30 in. Drift. Machine mine. Daily capacity 75 tons. Trade name "Wolf Creek." Analysis on file.

BARNEY COAL CO., Cordova, operates Barney mine at Cordova. VEIN Big Seam. Thickness 8 ft. Slope. Machine and Pick mine. Daily capacity 750 tons.

BIG RIDGE COAL CO., Jasper, operates Big Ridge mine at America Junction. VEIN America. Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

BLACK CREEK COAL CO., Nauvoo, operates mines Nos. 1 and 2 at Nauvoo. (See Northern Ala. Ry.)

CORDOVA COAL & COKE CO., Birmingham, operates Hobson mine at Cordova. VEIN Mt. Carmel. Thickness 2 ft. 9 in. Drift. Pick mine. Daily capacity 200 tons.

JEFFREY COAL CUTTERS, operated electrically or by compressed air, are fully illustrated and described in Bulletins Nos. 18 and 18A. The Jeffrey Manufacturing Company, Columbus, Ohio.

JEFFREY SHORTWALL COAL CUTTERS for room and pillar mining on longwall plan—maximum service with minimum power. Write for descriptive matter. The Jeffrey Manufacturing Company, Columbus, Ohio.

ALABAMA—Walker County—Southern Ry.—(Continued)

CORONA COAL & IRON CO., Corona, operates Corona mine No. 3 at Corona, West Corona mine at West Corona, Patton mine at Patton and Coal Valley mine at Coal Valley. VEIN Corona. Thickness 4 ft. Drifts. Machine mines. Daily capacity 2200 tons. Analysis on file.
Same Company operates Lockhart mine at Lockhart and May Emma mine at Coal Valley. VEIN Corona. Thickness 4 ft. Drifts. Pick mines. Daily capacity 500 tons. Analysis on file.

GAYOSO COAL CO., Corona, operates Gayoso and Little Gayoso mines at Gayoso. VEIN Pratt. Thickness 3½ ft. Drifts. Pick mines. Daily capacity 300 tons. Trade name "Pratt Gayoso."

INDIAN HEAD MILLS OF ALABAMA, Cordova, operates Indian Head mine at Cordova. (See St. L. & S. F. R. R.)

MOUNTAIN VALLEY COAL & COKE CO., Marietta, operates Mountain Valley mine at Oakman. VEIN Corona. Thickness 35 to 40 in. Drift. Pick mine. Daily capacity 50 tons.

PEERLESS COAL CO., Birmingham, operates Peerless mine at Lees Peer. VEIN America. Thickness 3 ft. Drift. Pick mine. Daily capacity 150 tons.

PENNSYLVANIA COAL CO., Reading, Pa., operates Borden mine No. 1 at Drifton. VEIN America. Thickness 4 ft. 2 in. Drift. Pick mine. Daily capacity 300 tons.
Same Company operates Borden mine No. 2 at Drifton. VEIN Pratt. Thickness 3 ft. Drift. Pick mine. Daily capacity 100 tons.

PRATT CONSOLIDATED COAL CO., Birmingham, operates Clipper mine at Clipper. VEIN Big Seam. Thickness 7 to 8 ft. Slope. Pick mine. Daily capacity 600 tons. Trade name "Clipper." Analysis on file.

TUSCALOOSA MINING CO., Oakman, operates Tuscaloosa and Antoinette mines at Oakman. VEIN Corona. Thickness 34 in. Drifts. Pick mines. Daily capacity 150 tons.

WINSTON COUNTY—County Seat, Double Spring.

NORTHERN ALABAMA RAILWAY.

ECLIPSE COAL CO., Birmingham, operates Eclipse mine at Natural Bridge. VEIN Black Creek. Thickness 28 to 30 in. Drift. Pick mine. Daily capacity 100 tons. Trade name "Natural Bridge Domestic."

NAILEN COAL CO., JAMES, Delmar, operates Mary Anthony mine at Delmar. VEIN Black Creek. Thickness 30 in. Drift. Pick mine. Analysis on file.

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Will Handle Your Coal Economically.
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JEFFREY A-5 ELECTRIC ROTARY DRILL is a powerful, serviceable and thoroughly reliable machine for drilling any material which can be penetrated by an auger bit. For full particulars see Bulletin No. 16.

JEFFREY COAL TIPPLES are equipped complete with the best and most successful Machinery for economically handling Coal. We make every mechanical Tipple requirement. Write today for our Tipple Book No. 22.

Also see page 1

The Jeffrey Manufacturing Company

Columbus, Ohio

1910

ILLINOIS

Index of Veins, showing Counties in which they are found.

Vein	County
No. 1	Christian—Fulton—Mercer—St. Clair—Vermillion
No. 2	Bureau—Grundy—Kankakee—LaSalle—Marshall—Montgomery—McDonough—Williamson
No. 3	Bureau—Grundy—LaSalle—Marshall—Putman—Sangamon
No. 4	Macon—Peoria
No. 5	Christian—Fulton—Livingston—Logan—Macon—Macoupin—Madison—Marshall—Menard—Montgomery—Peoria—Perry—Randolph—Saline—Sangamon—Shelby—Tazewell
No. 6	Bond—Christian—Franklin—Fulton—Henry—Macon—Macoupin—Madison—Marion—Marshall—Montgomery—McLean—Perry—Randolph—St. Clair—Sangamon—Shelby—Stark—Vermillion—Williamson
No. 6½	Franklin
No. 7	Franklin—Jackson—Kankakee—LaSalle—Perry—Saline—Vermillion—Williamson
No. 8	Jackson
No. 9	Williamson
Big Muddy	Jackson
Big Vein	Livingston
Bituminous	Randolph—St. Clair
Black Diamond	Williamson
Carterville	Franklin—Williamson
Danville	Vermillion
Old Star	Perry
Pre-emption	Mercer
Sherrard	Mercer
Springfield	Macoupin
Top Vein	Vermillion
Wilmington	Livingston

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Cleveland, O.

IS NOT A BOILER COMPOUND
BUT
It PAINTS the interior of your Boilers, PREVENTS Scale, and SAVES you money.

RESULTS GUARANTEED
WRITE FOR PARTICULARS

ILLINOIS

BOND COUNTY—County Seat, Greenville.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

ILLINOIS COLLIERIES CO., Springfield, operates Sorento mine No. 6 at Sorento. (Also Toledo, St. Louis & Western R. R.) VEIN No. 6. Thickness 6 ft. Shaft. Pick mine. Daily capacity 1200 tons.

TOLEDO, ST. LOUIS & WESTERN RAILROAD.

ILLINOIS COLLIERIES CO., Springfield, operates Sorento mine No. 6 at Sorento. (See C. B. & Q. R. R.)

VANDALIA RAILROAD.

POCAHONTAS MINING CO., St. Louis, Mo., operates Pocahontas mine at Pocahontas. VEIN*. Thickness 7½ to 8 ft. Machine and Pick mine. Daily capacity 800 tons.

BUREAU COUNTY—County Seat, Princeton.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

ILLINOIS THIRD VEIN COAL CO., Chicago, operates No. 1 mine at Ladd. (Also C. & N. W. Ry., C. I. & S. R. R. and C. M. & St. P. Ry.) VEIN No. 2. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 1300 tons. Trade name "Third Vein."

CHICAGO, INDIANA & SOUTHERN RAILROAD.

ILLINOIS THIRD VEIN COAL CO., Chicago, operates Mine No. 1 at Ladd. (See C. B. & Q. R. R.)

CHICAGO, MILWAUKEE & ST. PAUL RAILWAY.

ILLINOIS THIRD VEIN COAL CO., Chicago, operates Mine No. 1 at Ladd. (See C. B. & Q. R. R.)

ST. PAUL COAL CO., Chicago, operates Cherry mine No. 2 at Cherry. VEINS Nos. 2 and 3. Thickness 6 ft. and 40 in. respectively. Shaft. Pick mine. Daily capacity 2000 tons.

CHICAGO, ROCK ISLAND & PACIFIC RAILWAY.

MARQUETTE THIRD VEIN COAL MINING CO., Davenport, Iowa, operates Mine No. 1 at Marquette. VEIN No. 2. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 1200 tons. Trade name "Marquette."

SPRING VALLEY COAL CO., Chicago, operates Mine No. 1 at Spring Valley. (Also C. & N. W. Ry.) VEIN No. 2. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 1500 tons. Trade name "Third Vein."

*NOT REPORTED

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ILLINOIS—Bureau County—(Continued)

CHICAGO & NORTHWESTERN RAILWAY.

ILLINOIS THIRD VEIN COAL CO., Chicago, operates Mine No. 1 at Ladd. (See C. B. & Q. Ry.)

SPRING VALLEY COAL CO., Chicago, operates Mine No. 1 at Spring Valley. (See C. R. I. & P. Ry.)
Same Company operates mine No. 3 at Spring Valley, No. 4 at Seatonville, and No. 5 at Dalzell. VEIN No. 2. Thickness 3½ ft. Shafts. Pick mines. Daily capacity 2500 tons. Trade name "Third Vein."

CHRISTIAN COUNTY—County Seat, Taylorville.

BALTIMORE & OHIO RAILROAD

CHRISTIAN COUNTY COAL CO., Taylorville, operates CCCC mine at Taylorville. (Also Wabash R. R.) VEIN No. 6. Thickness 8 ft. Pick mine. Daily capacity 2500 tons.

SMITH LOHR COAL MINING CO., Pana, operates Smith Lohr mine at Pana. (Also C. C. C. & St. L. Ry., C. & E. I. R. R. and Ill. Cent. R. R.) VEIN*. Thickness 7½ ft. Shaft. Pick mine. Daily capacity 1000 tons.

BALTIMORE & OHIO SOUTHWESTERN RAILROAD.

PANA COAL CO., Pana, operates mine No. 1 at Pana. (Also C. C. C. & St. L. Ry., C. & E. I. R. R. and Ill. Cent. R R.) VEIN No. 6. Thickness 7½ ft. Shaft. Pick mine. Daily capacity 1300 tons.
Same Company operates Mine No. 2 at Pana. (Also Ill. Cent. R. R.) VEIN No. 6. Thickness 7½ ft. Shaft. Pick mine. Daily capacity 1500 tons.

PENWELL COAL MINING CO., Pana, operates Penwell mine at Pana. (Also C. C. C. & St. L. Ry. and Ill. Cent. R. R.) VEIN No. 5. Thickness 7½ ft. Shaft. Pick mine. Daily capacity 1500 tons. Trade name "Penwell." Analysis on file.

SPRINGFIELD COAL MINING CO., Springfield, operates Taylorville Mine No. 6 at Taylorville. (Also Wabash R. R.) VEIN No. 6. Thickness 8 ft. Shaft. Pick mine. Daily capacity 1600 tons. Analysis on file.

CHICAGO & EASTERN ILLINOIS RAILROAD.

PANA COAL CO., Pana, operates mines Nos. 1 and 2 at Pana. (See B. & O. S.W. R. R.)

SMITH LOHR COAL MINING CO., Pana, operates Smith Lohr mine at Pana. (See B. & O. R. R.)

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY.

PANA COAL CO., Pana, operates mine No. 1 at Pana. (See B. & O. S. W. R. R.)

PENWELL COAL MINING CO., Pana, operates Penwell mine at Pana. (See B. & O. S. W.)

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ILLINOIS—Christian County—C. C. C. & St. L. Ry.—(Continued)

SMITH LOHR COAL MINING CO., Pana, operates Smith Lohr mine at Pana. (See B. & O. R. R.)

ILLINOIS CENTRAL RAILROAD.

ASSUMPTION COAL & MINING CO., THE, Assumption, operates mine No. 1 at Assumption. VEIN No. 1. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 500 tons. Trade name "Silver Creek Splint Block." Analysis on file.

PANA COAL CO., Pana, operates mines Nos. 1 and 2 at Pana. (See B. & O. S. W. R. R.)

PENWELL COAL MINING CO., Pana, operates Penwell mine at Pana. (See B. & O. S. W. R. R.)

SMITH LOHR COAL MINING CO., Pana, operates Smith Lohr mine at Pana. (See B. & O. R. R.)

WABASH RAILROAD.

CHRISTIAN COUNTY COAL CO., Taylorville, operates CCCC mine at Taylorville. (See B. & O. R. R.)

SPRINGFIELD COAL MINING CO., Springfield, operates Taylorville mine No. 6 at Taylorville. (See B. & O. R. R.)

STONINGTON COAL CO., Taylorville, operates Stonington mine at Stonington. VEIN No. 6. Thickness 7½ ft. Shaft. Machine mine. Daily capacity 2000 tons.

FRANKLIN COUNTY—County Seat, Benton.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

FRANKLIN COUNTY COLLIERIES CO., Chicago, operates Hiawatha mine No. 1 at Sesser. VEIN No. 7. Thickness 10 ft. Shaft. Machine mine. Daily capacity 3000 tons. Trade name "Hiawatha." Analysis on file.

SOUTHERN ILLINOIS COAL CO., Chicago, operates Possum Ridge mine near Herrin. VEIN No. 7. Thickness 11 to 12 ft. Shaft. Machine mine. Just developing. Trade name "Possum Ridge." Analysis on file.

ZEIGLER COAL CO., Chicago, operates mine at Zeigler. (Also Ill. Cent. R. R., Mo. Pac. Ry., Wabash R. R. and Southern Ry.) VEIN No. 6½. Thickness 8 to 13 ft. Shaft. Machine mine. Daily capacity 3000 tons. Trade name "Zeigler." Analysis on file.

ZIEGLER DISTRICT COLLIERY CO., Chicago, operates North Mine Christopher at Christopher. VEIN No. 6. Thickness 10 ft. Shaft. Machine mine. Daily capacity 2000 tons. Trade name "Purity." Analysis on file.

CHICAGO & EASTERN ILLINOIS RAILROAD.

BENTON COAL CO., Benton, operates Benton mine at Benton. (Also Mo. Pac. Ry. and Ill. Cent. R. R.) VEIN No. 6. Thickness 10 ft. Shaft. Machine mine. Daily capacity 2000 tons. Trade name "Benton." Analysis on file.

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ILLINOIS—Franklin County—C. & E. I. R. R.—(Continued)

BRAZIL BLOCK COAL CO., Chicago, operates mine No. 11 at West Frankfort. VEIN No. 7. Thickness 10 ft. Shaft. Pick and Machine mine. Daily capacity 1500 tons. Trade name "Litle Jack." (Also in Indiana.)

HART-WILLIAMS COAL CO., Benton, operates mine No. 1 at Benton. (Also I. C. R. R.) VEIN No. 7. Thickness 10 ft. Shaft. Machine mine. Daily capacity 2000 tons. Trade name "Benton." Analysis on file.

WILMINGTON STAR MINING CO., Chicago, operates mine No. 8 at West Frankfort. VEIN No. 7. Thickness 8½ ft. Shaft. Machine mine. Daily capacity 2000 tons.

ILLINOIS CENTRAL RAILROAD.

BENTON COAL CO., Benton, operates Benton mine at Benton. (See C. & E. I. R. R.)

HART-WILLIAMS COAL CO., Benton, operates No. 1 mine at Benton. (See C. & E. I. R. R.)

ZEIGLER COAL CO., Chicago, operates mine at Zeigler. (See C. B. & Q. R. R.)

MISSOURI PACIFIC RAILROAD.

BENTON COAL CO., Benton, operates Benton mine at Benton. (See C. & E. I. R. R.)

ZEIGLER COAL CO., Chicago, operates mine at Zeigler. (See C. B. & Q. R R.)

ST. LOUIS & IRON MOUNTAIN RAILWAY.

BIG MUDDY-CARTERVILLE MINING CO., Mulkeytown, operates mines Nos. 1 and 2 at Royalton. VEIN Carterville. Thickness 9 ft. Shafts. Pick mines. Daily capacity of No. 1 mine 600 tons. Trade name "Royal."

SOUTHERN RAILWAY.

ZEIGLER COAL CO., Chicago, operates mine at Zeigler. (See C. B. & Q. R. R.)

WABASH RAILWAY.

ZEIGLER COAL CO., Chicago, operates mine at Zeigler. (See C. B. & Q. R. R.)

FULTON COUNTY—County Seat, Lewiston.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

ALDEN COAL CO., Davenport, Iowa, operates Alden mine No. 5 at Farmington. (Also Iowa Cent. Ry.) VEIN No. 5. Thickness 4 ft. 2 in. Shaft. Pick mine. Daily capacity 700 tons.
Same Company operates Alden mine No. 6 at Norris. VEIN No. 5. Thickness 4 ft. 2 in. Shaft. Pick mine. Daily capacity 500 tons.

BIG CREEK COAL CO., Chicago, operates mine No. 2 at St. David. VEIN No. 5. Thicknes 5 ft. Drift. Machine mine. Trade name "Big Creek."
Same Company operates mine No. 3 at Cuba. VEIN No. 5 Thickness 5 ft. Shaft. Pick mine. Trade name "Big Creek."
Same Company operates mine No. 4 at Dunfermline. VEIN No. 5. Thickness 5 ft. Shaft. Machine and Pick mine. Trade name "Big Creek."

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ILLINOIS—Fulton County—C. B. & Q. R. R.—(Continued)

CANTON COAL CO., Canton, operates mine at Canton. VEIN No. 5. Thickness 5 ft. Slope. Pick mine. Daily capacity 900 tons. Trade name "Canton."

COAL CREEK MINING CO., Galesburg, operates Parrville mine at Parrville. VEIN No. 5. Thickness 4 ft. 10 in. Drift. Pick mine. Daily capacity 200 tons.

MONMOUTH COAL CO., Brereton, operates shaft No. 1 at Brereton. VEINS Nos. 5 and 6. (No. 6 not being worked.) Thickness 4 to 4½ ft. Machine and Pick mine. Daily capacity 1500 tons. Trade name "Famous Brereton."

NORRIS COAL MINING CO., Davenport, Iowa, operates Norris mine at Norris. VEIN No. 5. Thickness 4 ft. 2 in. Shaft. Machine and Pick mine. Daily capacity 1500 tons. Trade name "Genuine Norris."

SPOON RIVER COAL CO., Galesburg, operates mine at Ellisville. VEIN No. 1. Thickness 4½ ft. Shaft. Pick mine. Daily capacity 250 tons. Trade name "Ellisville." Analysis on file.

STAR COAL CO., Galesburg, operates Cuba mines Nos. 1, 2 and 3 at Cuba. VEIN No. 5. Thickness average 5 ft. Slopes. Pick mines. Daily capacity 2000 tons. Analysis on file.
Same Company operates Fiatt mine No. 1 at Fiatt. VEIN No. 5. Thickness 5 ft. 4 in. Shaft. Pick mine. Daily capacity 1200 tons. Analysis on file.

IOWA CENTRAL RAILWAY.

ALDEN COAL CO., Davenport, Ia., operates Alden mine No. 5 at Farmington. (See C. B. & Q. R. R.)

NATIONAL COAL MINING CO., THE, Middle Grove, operates National mine at Middle Grove. VEIN No. 5. Thickness 3 ft. 10 in. Shaft. Machine mine. Daily capacity 400 tons. Analysis on file.

TOLEDO, PEORIA & WESTERN RAILWAY.

EAGLE MINING CO., Peoria, operates Eagle mine at Canton. VEIN No. 5. Thickness 56 in. Shaft. Pick mine. Daily capacity 600 tons. Trade name "Eagle." Analysis on file.

RILEY, J. R., Breeds, operates North Side mine at Breeds. VEIN No. 5. Thickness 4½ ft. Drift. Pick mine. Daily capacity 100 tons.

GRUNDY COUNTY—County Seat, Morris.

ATCHISON, TOPEKA & SANTA FE RAILWAY.

BIG FOUR WILMINGTON COAL CO., Chicago, operates mine No. 6 and Carbon Hill mine No. 5 at Coal City. (Also E. J. & E. Ry. and C. & A. R. R.) VEIN No. 2. Thickness 38 in. Shafts. Pick mines. Daily capacity 2000 tons Trade name "Eileen." Analysis on file.

WILMINGTON STAR MINING CO., Chicago, operates mines Nos. 6 and 7 at Coal City. (Also C. & A. R. R. and E. J. & E. Ry.) VEIN No. 2. Thickness 3 ft. Shafts. Pick mines. Daily capacity 1800 tons.

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ILLINOIS—Grundy County—(Continued)

CHICAGO, MILWAUKEE & ST PAUL RAILWAY.

BRACEVILLE COAL CO., Chicago, operates mine No. 6 at Braceville. (Also E. J. & E. Ry.) VEIN No. 3. Thickness 40 in. Shaft. Pick mine. Daily capacity 1000 tons.

CHICAGO & ALTON RAILROAD.

BIG FOUR WILMINGTON COAL CO., Chicago, operates mine No. 6 and Carbon Hill mine No. 5 at Coal City. (See A. T. & S. F. Ry.)

WILMINGTON STAR MINING CO., Chicago, operates mines Nos. 6 and 7 at Coal City. (See A. T. & S. F. Ry.)

ELGIN, JOLIET & EASTERN RAILWAY.

BIG FOUR WILMINGTON COAL CO., Chicago, operates mine No. 6 and Carbon Hill mine No. 5 at Coal City. (See A. T. & S. F. Ry.)

BRACEVILLE COAL CO., Chicago, operates mine No. 6 at Braceville. (See C. M. & St. P. Ry.)

CHICAGO WILMINGTON & VERMILLION COAL CO., Chicago, operates shafts Nos. 1, 2 and 3 at South Wilmington. VEIN No. 2. Thickness 3 ft. Shafts. Pick mines. Daily capacity 2300 tons. Trade name "Wilmington."

WILMINGTON STAR MINING CO., Chicago, operates mines Nos. 6 and 7 at Coal City. (See A. T. & S. F. Ry.)

HENRY COUNTY—County Seat, Cambridge.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

KEWANEE COAL & MINING CO., Kewanee, operates mine No. 2 at Kewanee. VEIN No. 6. Thickness 4 ft. Shaft. Pick mine. Daily capacity 500 tons.

JACKSON COUNTY—County Seat, Murphysboro.

ILLINOIS CENTRAL RAILROAD.

GARTSIDE COAL CO., St. Louis, Mo., operates Gartside mine No. 3 at Murphysboro. VEIN Big Muddy. Thickness 6 ft. Shaft. Machine mine. Daily capacity 300 tons. Trade name "Big Muddy." Analysis on file.

MUDDY VALLEY MINING & MFG. CO., Cairo, operates Halledayboro mine at Halledayboro. VEIN No. 7. Thickness 10 ft. Shaft. Pick mine. Daily capacity 1200 tons. Trade name "Halleydayboro."

PEACOCK COAL CO., De Soto, operates mine No. 1 at De Soto. VEIN No. 8. Thickness 10 ft. Shaft. Pick mine. Daily capacity 200 tons.

MOBILE & OHIO RAILROAD.

BLAIR BIG MUDDY COAL CO., GUS, Murphysboro, operates Blaire mine No. 1 at Murphysboro. VEIN Big Muddy. Thickness 7 ft. Shaft. Machine mine. Daily capacity 450 tons. Trade name "Big Muddy."

GARTSIDE COAL CO., St. Louis, Mo., operates Gartside mine No. 4 at Murphysboro. VEIN Big Muddy. Thickness 6 ft. Shaft. Machine mine. Daily capacity 400 tons. Trade name "Big Muddy." Analysis on file.

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ILLINOIS—Jackson County—(Continued)

ST. LOUIS, IRON MOUNTAIN & SOUTHERN RAILWAY.

BLAIR BIG MUDDY COAL CO., GUS, Murphysboro, operates Blair Mine No. 2 at Murphysboro. VEIN Big Muddy. Thickness 4 ft. Shaft. Machine mine. Daily capacity 300 tons. Trade name "Big Muddy."

SCHMIDGALL COAL CO., Murphysboro, operates mine No. 1 at Murphysboro. VEIN Big Muddy. Thickness 3½ ft. Shaft. Machine mine. Daily capacity 300 tons. Analysis on file.

KANKAKEE COUNTY—County Seat, Kankakee.

CHICAGO, INDIANA & SOUTHERN RAILROAD.

CLARKE CITY WILMINGTON COAL CO., Chicago, operates mine "B" at Clarke City. (Also Ill. Cent. R. R.) VEINS No. 7 and No. 2. Thickness of No. 7, 5 ft. Shaft. Pick mine. Daily capacity 300 tons. Trade name "Wilmington Northern Illinois." Analysis on file.

ILLINOIS CENTRAL RAILROAD.

CLARKE CITY WILMINGTON COAL CO., Chicago, operates mine "B" at Clarke City. (See C. I. & S. R. R.)

LA SALLE COUNTY—County Seat, Ottawa.

ATCHISON, TOPEKA & SANTA FE RAILWAY.

ACME COAL CO., THE, Streator, operates Acme mine at Streator. (Also C. & A. R. R., C. B. & Q. Ry., Wabash R. R. and C. I. & S. R. R.) VEIN No. 7. Thickness 6½ ft. Shaft. Pick mine. Daily capacity 600 tons.

CHICAGO, WILMINGTON & VERMILLION COAL CO., Chicago, operates Streator Shaft No. 2 at Streator. (Also C. & A. R. R., C. B. & Q. Ry., Wabash R. R. and C. I. & S. R. R.) VEIN No. 2. Shaft. Pick mine. Daily Capacity 1000 tons. Trade name "Vermillion Third Vein." Analysis on file.

Same Company operates Streator Shaft No. 3 at Streator. (Also C. & A. R. R., C. B. & Q. Ry., C. I. & S. R. R. and Wabash R. R.) VEIN No. 7 Thickness 5½ ft. Shaft. Pick mine. Daily capacity 700 tons. Trade name "Vermillion Top Vein."

CHICAGO, BURLINGTON & QUINCY RAILROAD.

ACME COAL CO., THE, Streator, operates Acme mine at Streator. (See A. T. & S. F. Ry.)

CHICAGO, WILMINGTON & VERMILLION COAL CO., Chicago, operates Streator shafts Nos. 2 and 3 at Streator. (See A. T. & S. F. Ry.)

LA SALLE COUNTY CARBON COAL CO., La Salle, operates mine No. 1 at Jonesville. (Also Ill. Cent. R. R.) VEIN No. 3. Thickness 3 ft. 4 in. Shaft. Pick mine. Daily capacity 1000 tons.

CHICAGO, INDIANA & SOUTHERN RAILROAD.

ACME COAL CO., THE, Streator, operates Acme mine at Streator. (See A. T. & S. F. Ry.)

CHICAGO, WILMINGTON & VERMILLION COAL CO., Chicago, operates Streator Shafts Nos. 2 and 3 at Streator. (See A. T. & S. F. Ry.

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ILLINOIS—La Salle County—(Continued)

CHICAGO, MILWAUKEE & ST. PAUL RAILWAY.

LA SALLE COUNTY CARBON COAL CO., La Salle, operates mine No. 5 at Cedar Point. VEIN No. 3. Thickness 3 ft. 4 in. Shaft. Pick mine. Daily capacity 1000 tons.

OGLESBY COAL CO., Oglesby, operates Oglesby mine at Oglesby. (Also Ill. Cent. R. R.) VEIN No. 3. Thickness 3 ft. 8 in. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "Oglesby Third Vein." Analysis on file.

CHICAGO, ROCK ISLAND & PACIFIC RAILWAY.

CAHILL COAL CO., Peru, operates Cahill mine at Peru. VEIN No. 3. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 200 to 250 tons.

LA SALLE COUNTY CARBON COAL CO., La Salle, operates Union mine at Peru and Rockwell mine at La Salle. VEIN No. 3. Thickness 3 ft. 4 in. Shafts. Pick mines. Daily capacity 1200 tons.
Same Company operates La Salle mine at La Salle. (Also Ill. Cent. R. R.) VEIN No. 3. Thickness 3 ft. 4 in. Shaft. Pick mine. Daily capacity 600 tons.

CHICAGO & ALTON RAILROAD.

ACME COAL CO., THE, Streator, operates Acme mine at Streator. (See A. T. & S. F. Ry.)

CHICAGO, WILMINGTON & VERMILLION COAL CO., Chicago, operates Streator shafts Nos. 2 and 3 at Streator. (See A. T. & S. F. R. R.)

ILLINOIS CENTRAL RAILROAD.

LA SALLE COUNTY CARBON COAL CO., La Salle, operates mine No. 1 at Jonesville. (See C. B. & Q. Ry.)
Same Company operates La Salle mine at La Salle. (See C. R. I. & P. Ry.)

OGLESBY COAL CO., Oglesby, operates Oglesby mine at Oglesby. (See C. M. & St. P. Ry.)

WABASH RAILROAD.

ACME COAL CO., THE, Streator, operates Acme mine at Streator. (See A. T. & S. F. Ry.)

CHICAGO, WILMINGTON & VERMILLION COAL CO., Chicago, operates Streator shafts Nos. 2 and 3 at Streator. (See A. T. & S. F. R. R.)

LIVINGSTON COUNTY—County Seat, Pontiac.

CHICAGO, INDIANA & SOUTHERN RAILROAD.

CARDIFF COAL CO., Chicago, operates mine at Cardiff. (Also Wabash R. R.) VEINS Wilmington and Big Vein. Thickness 42 in. and 11 ft. respectively. Shaft. Pick mine.

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ILLINOIS—Livingston County—(Continued)

TOLEDO, PEORIA & WESTERN RAILWAY.

FAIRBURY COAL CO., Fairbury, operates mine No. 1 at Fairbury. VEIN No. 5. Thickness 4½ to 5 ft. Shaft. Pick mine. Daily capacity 125 tons.

WABASH RAILROAD.

CARDIFF COAL CO., Chicago, operates mine at Cardiff. (See C. I. & S. R. R.)

LOGAN COUNTY—County Seat, Lincoln.

CHICAGO & ALTON RAILROAD.

LATHAM COAL CO., Lincoln, operates Latham mine at Lincoln. (Also Ill. Cent. R. R.) VEIN No. 5. Thickness 2 to 5 ft. Shaft. Pick mine. Daily capacity 1800 tons. Trade name "Latham." Analysis on file.

LINCOLN MINING CO., Lincoln, operates mine No. 1 at Lincoln. (Also Ill. Cent. R. R.) VEIN No. 5. Thickness 5 ft. 4 in. Shaft. Daily capacity 800 tons.

ILLINOIS CENTRAL RAILROAD.

CITIZENS COAL MINING CO., Lincoln, operates East mine at Lincoln. VEIN No. 5. Thickness 5 ft. 2 in. Shaft. Pick mine. Daily capacity 800 tons.

LATHAM COAL CO., Lincoln, operates Latham mine at Lincoln. (See C. & A. R. R.)

LINCOLN MINING CO., Lincoln, operates mine No. 1 at Lincoln. (See C. & A. R. R.)

MT. PULASKI COLLIERY CO., THE, Mt. Pulaski, operates Mt. Pulaski mine at Mt. Pulaski. VEIN No. 5. Thickness 4½ ft. Shaft. Pick mine. Daily capacity 250 tons. Analysis on file.

MACON COUNTY—County Seat, Decatur.

CINCINNATI, HAMILTON & DAYTON RAILWAY.

DECATUR COAL CO., THE, Decatur, operates mines Nos. 1 and 2 at Decatur. (Also Ill. Cent. R. R., Vandalia R. R. and Wabash R. R.) VEIN No. 4. Thickness 4½ ft. Shafts. Pick mines. Daily capacity 850 tons. Analyses on file.

ILLINOIS CENTRAL RAILROAD.

DECATUR COAL CO., THE, Decatur, operates mines Nos. 1 and 2 at Decatur. (See C. H. & D. Ry.)

MANUFACTURERS' & CONSUMERS' COAL CO., Decatur, operates mine at Decatur. (Also Vandalia R. R. and Wabash R. R.) VEIN No. 5. Thickness 4½ ft. Shaft. Pick mine. Daily capacity 800 tons. Trade name "Riverside Sootless." Analysis on file.

VANDALIA RAILROAD.

DECATUR COAL CO., THE, Decatur, operates mines Nos. 1 and 2 at Decatur. (See C. H. & D. Ry.)

JEFFREY REVOLVING SCREENS combine the highest screening efficiency, strength and durability. Fully described in Catalog No. 69B. The Jeffrey Manufacturing Company, Columbus, Ohio.

JEFFREY TIPPLE SCREENS embody the most successful and advanced ideas obtained in modern Tipple practice. Send for our new Screen Catalog No. 69. The Jeffrey Manufacturing Company, Columbus, Ohio.

ILLINOIS—Macon County—Vandalia R. R.—(Continued)

MANUFACTURERS' & CONSUMERS' COAL CO., Decatur, operates mine at Decatur. (See I. C. R. R.)

WABASH RAILROAD.

BLUE MOUND COAL CO., Blue Mound, operates mine at Blue Mound. VEIN No. 6. Thickness 5 ft. Shaft. Machine and Pick mine. Daily capacity 1000 tons.

DECATUR COAL CO., THE, Decatur, operates Niantic mine at Niantic. VEIN No. 4. Thickness 5 ft. Shaft. Pick mine. Daily capacity 400 tons. Trade name "Niantic." Analysis on file.
Same Company operates mines Nos. 1 and 2 at Decatur. (See C. H. & D. Ry.)

MANUFACTURERS' & CONSUMERS' COAL CO., Decatur, operates mine at Decatur. (See I. C. R. R.)

MACOUPIN COUNTY—County Seat, Carlinville.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

ILLINOIS COLLIERIES CO., Springfield, operates Virden mines Nos. 1 and 4 at Virden. (Also C. & A. R. R.) VEIN No. 6. Thickness 7½ ft. Shafts. Machine and Pick mines. Daily capacity 2900 tons.
Same Company operates Girard mine No. 5 at Girard. (Also C. & A. R. R.) VEIN No. 6. Thickness 6½ ft. Shaft. Pick mine. Daily capacity 1500 tons.

ROYAL COLLIERY CO., Philadelphia, Pa., operates Royal mine at Virden. (Also C. & A. R. R.) VEIN Springfield. Thickness*. Shaft. Pick mine. Daily capacity 2200 tons. Trade name "Royal."

CHICAGO & ALTON RAILROAD.

CARLINVILLE COAL CO., THE, Carlinville, operates mine at Carlinville. VEIN No. 6. Thickness 6 to 7 ft. Shaft. Pick mine. Daily capacity 1000 tons. Analysis on file.

ILLINOIS COLLIERIES CO., Springfield, operates Virden mines Nos. 1 and 4 at Virden. (See C. B. & Q. R. R.)
Same Company operates Girard mine No. 5 at Girard. (See C. B. & Q. R. R.)

NILWOOD COAL CO., Nilwood, operates Nilwood mine at Nilwood. VEIN No. 5. Thickness 7 ft. Shaft. Pick mine. Daily capacity 1000 tons.

ROYAL COLLIERY CO., Philadelphia, Pa., operates Royal mine at Virden. (See C. B. & Q. R. R.)

VIVIAN COLLIERIES CO., Chicago, operates Green Ridge mine at Green Ridge. VEIN*. Thickness*. Shaft. Machine and Pick mine. Daily capacity 1600 tons.

*NOT REPORTED

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THE B. F. GOODRICH CO. AKRON, OHIO

ILLINOIS—Macoupin County—(Continued)

MACOUPIN COUNTY RAILWAY.

SUPERIOR COAL CO., Gillespie, operates mines Nos. 1 and 3 at Gillespie, and No. 2 at Beuld. VEIN*. Thickness 8 ft. Shafts. Machine mines. Daily capacity 10000 tons.

MADISON COUNTY—County Seat, Edwardsville.

CHICAGO & EASTERN ILLINOIS RAILROAD.

NEW STAUNTON COAL CO., THE, St. Louis, Mo., operates mine No. 1 at Livingston. (Also C. C. C. & St. L. Ry.) VEIN No. 5. Thickness average 6½ ft. Shaft. Machine mine. Daily capacity 3100 tons. Trade name "Livingston." Analysis on file.

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY.

NEW STAUNTON COAL CO., THE, St. Louis, Mo., operates mine No. 1 at Livingston. (See C. & E. I. R. R.)

ILLINOIS TERMINAL RAILROAD.

EDWARDSVILLE COAL CO., THE, St. Louis, Mo., operates mine No. 3 at Edwardsville. (Also L. & M. Ry., T. St. L. & W. Ry. and Wabash R. R.) VEIN No. 6. Thickness 5 ft. 5 in. Shaft. Machine mine Daily capacity 500 tons. Trade name "Silver Creek."

LITCHFIELD & MADISON RAILWAY.

EDWARDSVILLE COAL CO., THE, St. Louis, Mo., operates mine No. 3 at Edwardsville. (See Illinois Terminal R. R.)

MOUNT OLIVE & STAUNTON COAL CO., St. Louis, Mo., operates Staunton mine No. 1 at Staunton. VEIN No. 6. Thickness 6 to 7 ft. Shaft. Machine mine. Daily capacity 1600 tons. Trade name "Staunton."

Same Company operates Staunton Illinois mine No. 2 at Staunton. VEIN No. 6. Thickness 7 to 7½ ft. Shaft. Machine mine. Daily capacity 3000 tons. Trade name "Staunton."

ST. LOUIS, TROY & EASTERN RAILROAD.

DONK BROS. COAL & COKE CO., St. Louis, Mo., operates mines Nos. 1, 2 and 3 at Donkville, Maryville and Troy, respectively. VEIN*. Thickness*. Shafts. Machine and Pick mines. Daily capacity 5000 tons.

TOLEDO, ST. LOUIS & WESTERN RAILROAD.

EDWARDSVILLE COAL CO., THE, St. Louis, Mo., operates mine No. 3 at Edwardsville. (See Ill. Terminal R. R.)

VANDALIA RAILROAD.

LUMAGHI COAL CO., St. Louis, Mo., operates Lumaghi mine No. 2 at Cantine. VEIN No. 6. Thickness 6 ft. Shaft. Machine mine. Daily capacity 2500 tons. Trade name "Cantine."

Same Company operates Lumaghi mine No. 3 at Collinsville. VEIN No. 6. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1000 tons.

*NOT REPORTED

JEFFREY COKE LARRIES are simple in design, electrically equipped—made to discharge on one or both sides. Send for complete information. The Jeffrey Manufacturing Company, Columbus, Ohio.

THE WENONA COAL COMPANY
MINERS AND SHIPPERS OF
THIRD VEIN COAL
SCREENED BY SHAKER SCREEN
B. T. U. 13,630
WENONA, ILLINOIS

ILLINOIS—Madison County—(Continued)

WABASH RAILROAD.

DE CAMP COAL MINING CO., St. Louis, Mo., operates mine at Staunton. VEIN No. 6. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1000 tons.

EDWARDSVILLE COAL CO., THE, St. Louis, Mo., operates mine No. 3 at Edwardsville. (See Ill. Terminal R. R.)

MARION COUNTY—County Seat, Salem.

BALTIMORE & OHIO SOUTHWESTERN RAILROAD.

ODIN COAL CO., THE, Odin, operates mine at Odin. (Also Ill. Cent. R. R.) VEIN No. 6. Thickness 7 ft. Shaft. Machine mine. Daily capacity 1000 tons.

ILLINOIS CENTRAL RAILROAD.

ODIN COAL CO., THE, Odin, operates mine at Odin. (See B. & O. S. W. R. R.)

MARSHALL COUNTY—County Seat, Lacon.

ATCHISON, TOPEKA & SANTA FE RAILWAY.

TOLUCA COAL CO., THE, Toluca, operates mines Nos. 1 and 2 at Toluca. (Also T. M. & N. R. R.) VEIN No. 3. Thickness 3 ft. Shaft. Pick mine. Daily capacity 1550 tons. Trade name "Toluca."

CHICAGO, ROCK ISLAND & PACIFIC RAILWAY.

BARR COAL, LUMBER & POWER CO., Sparland, operates mine No. 1 at Sparland. VEIN No. 6. Thickness 4 ft. Drift. Pick mine. Daily capacity 100 tons.

FULTON COUNTY COAL MINING CO., Davenport, Iowa, operates Sparland Shaft at Sparland. VEIN No. 2. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 100 tons. Trade name "Sparland."

LACON COAL CO., Sparland, operates mine at Sparland. VEIN No. 6. Thickness 3½ ft. Drift. Pick mine. Daily capacity 100 tons.

CHICAGO & ALTON RAILROAD.

WENONA COAL CO., Wenona, operates Wenona mine No. 1 at Wenona, (Also Ill. Cent. R. R.) VEIN No. 3. Thickness 3 ft. 4 in. Shaft. Pick mine. Daily capacity 600 tons. Analysis on file.

ILLINOIS CENTRAL RAILROAD

WENONA COAL CO., Wenona, operates Wenona mine No. 1 at Wenona. (See C. & A. R. R.)

TOLUCA, MARQUETTE & NORTHERN RAILROAD.

TOLUCA COAL CO., THE, Toluca, operates mines Nos. 1 and 2 at Toluca. (See A. T. & S. F. Ry.)

MENARD COUNTY—County Seat, Petersburg.

CHICAGO, PEORIA & ST. LOUIS RAILWAY.

ATHENS MINING CO., Athens, operates Athens mine at Athens. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 800 tons. Trade name "Athens." Analysis on file.

JEFFREY STEEL DUMP CARS are built with capacities to suit numerous requirements, with or without electrical equipment. Full information and prices furnished on request. *The Jeffrey Manufacturing* Company, Columbus, Ohio.

THE UPSON-WALTON CO.

CLEVELAND, OHIO

CORDAGE AND TACKLE BLOCKS
BRATTICE CLOTH AND WIRE ROPE

ILLINOIS—Menard County—C. P. & St. L. Ry.—(Continued)

SOUTH MOUNTAIN COAL CO., THE, Petersburg, operates South Mountain mine at Petersburg. (Also C. & A. R. R.) VEIN No. 5. Thickness 6 ft. Slope. Pick mine. Daily capacity 500 tons. Trade name "Kirby Block."

WABASH COAL CO., Quincy, operates Athens mine No. 2 at Athens. VEIN No. 5. Thickness 6½ ft. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "Athens."

CHICAGO & ALTON RAILROAD.

MIDDLETOWN COAL CO., Middletown, operates mine No. 1 at Middletown. VEIN*. Thickness 6 ft. Shaft. Pick mine. Daily capacity 700 tons. Trade name "Onyx." Analysis on file.

SOUTH MOUNTAIN COAL CO., THE, Petersburg, operates South Mountain mine at Petersburg. (See C. P. & St. L. Ry.)

MERCER COUNTY—County Seat, Aledo.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

ALDEN COAL CO., Davenport, Iowa, operates Alden mine No. 3 at Gilchrist. VEIN No. 1. Thickness 4 ft. Shaft. Pick mine. Daily capacity 500 tons.

CHICAGO, ROCK ISLAND & PACIFIC RAILWAY.

ALDEN COAL CO., Davenport, Iowa, operates Alden mine No. 7 at Dogtown. VEIN No. 1. Thickness 6½ ft. Shaft. Pick mine. Daily capacity 300 tons.

COAL VALLEY MINING CO., Chicago, operates mine No. 2 at Sherrard. VEIN Sherrard. Thickness 4 to 4½ ft. Shaft. Pick mine. Daily capacity 900 tons. Trade name "Sherrard."

Same Company operates mine No. 3 at Matherville. VEIN Preemption. Thickness 4 to 4½ ft. Shaft. Pick mine. Mine just developing. Trade name "Preemption District Coal."

MONTGOMERY COUNTY—County Seat, Hillsboro.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

ILLINOIS COLLIERIES CO., Springfield, operates Litchfield mine at Litchfield. (Also C. C. C. & St. L., I. C. R. R., L. & N. R. R. and Wabash R R.) VEIN No. 2. Thickness 5 ft. Shaft. Pick mine. Daily capacity 1000 tons.

CHICAGO & EASTERN ILLINOIS RAILROAD.

BURNWELL COAL CO., Chicago, operates mines Nos. 22 and 24 at Witt. (Also C. C. C. & St. L. Ry.) VEIN*. Thickness 8 to 9 ft. Shafts. Pick mines. Daily capacity 5000 tons. Analysis on file.

HILLSBORO COAL CO., Hillsboro, operates Hillsboro mine at Hillsboro. (Also C. C. C. & St. L. Ry.) VEIN No. 6. Thickness 8 ft. Shaft. Machine mine. Daily capacity 1500 tons.

KORT KAMP COAL CO., Hillsboro, operates Kort Kamp mine at Hillsboro. (Also C. C. C. & St. L. Ry.) VEIN No. 6. Thickness 8½ ft. Shaft. Machine mine. Daily capacity 2000 tons. Trade name "Kort Kamp."

*NOT REPORTED

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JEFFREY MINE LOCOMOTIVES for gathering and main haulage work. We will send our Book No. 12 "Care of Electric Mine Locomotives in Service" also Locomotive Catalog No. 17. The Jeffrey Manufacturing Company, Columbus, Ohio.

ILLINOIS—Montgomery County—C. & E. I. R. R.—(Continued)

MONTGOMERY COUNTY COAL CO., Chicago, operates Taylor Springs mine at Hillsboro. (Also C. C. C. & St. L. Ry.) VEIN No 5. Thickness 7 to 8 ft. Shaft. Machine mine. Daily capacity 2500 tons. Trade name "Taylor Springs."

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY.

BURNWELL COAL CO., Chicago, operates mines Nos. 22 and 24 at Witt. (See C. & E. I. R. R.)

HILLSBORO COAL CO., Hillsboro, operates Hillsboro mine at Hillsboro. (See C. & E. I. R. R.)

ILLINOIS COLLIERIES CO., Springfield, operates Litchfield mine at Litchfield. (See C. B. & Q. R. R.)

KORT KAMP COAL CO., Hillsboro, operates Kort Kamp mine at Hillsboro. See C. & E. I. R. R.)

MONTGOMERY COUNTY COAL CO., Chicago, operates Taylor Springs mine at Hillsboro. (See C. & E. I. R. R.)

ILLINOIS CENTRAL RAILROAD.

ILLINOIS COLLIERIES CO., Springfield, operates Litchfield mine at Litchfield. (See C. B. & Q. R. R.)

LOUISVILLE & NASHVILLE RAILROAD.

ILLINOIS COLLIERIES CO., Springfield, operates Litchfield mine at Litchfield. (See C. B. & Q. R. R.)

TOLEDO, ST. LOUIS & WESTERN RAILROAD.

SHOAL CREEK COAL CO., Chicago, operates Panama mine No. 1 at Panama. VEIN No. 6. Thickness 8 ft. Shaft. Machine mine. Daily capacity 2500 tons.

WABASH RAILROAD.

ILLINOIS COLLIERIES CO., Springfield, operates Litchfield mine at Litchfield. (See C. B. & Q. R. R.)

McDONOUGH COUNTY—County Seat, Macomb.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

BURNEY COAL CO., THE, Colchester, operates Dickey mine No. 2 at Colchester. VEIN No. 2. Thickness 2½ ft. Shaft. Pick mine. Daily capacity 80 tons.

McLEAN COUNTY—County Seat, Bloomington.

CHICAGO & ALTON RAILROAD.

McLEAN COUNTY COAL CO., Bloomington, operates mine at Bloomington. (Also C. C. C. & St. L. Ry.) VEIN*. Thickness 3 ft. 8 in. to 4 ft. Shaft. Pick mine. Daily capacity 650 tons. Analysis on file.

*NOT REPORTED

THE UPSON-WALTON CO.

CLEVELAND, OHIO

CORDAGE AND TACKLE BLOCKS
BRATTICE CLOTH AND WIRE ROPE

The Standard for Mining
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Reputation Unsurpassed
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ILLINOIS—McLean County—(Continued)

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY.

McLEAN COUNTY COAL CO., Bloomington, operates mine at Bloomington. (See C. & A. R. R.)

ILLINOIS CENTRAL RAILROAD.

COLFAX CO-OPERATIVE CO., Colfax, operates Colfax mine No. 1 at Colfax. VEIN No. 6. Thickness 5 ft. Shaft. Pick mine. Daily capacity 150 tons.

LAKE ERIE & WESTERN RAILROAD.

McLEAN COUNTY COAL CO., Bloomington, operates mine at Bloomington. (See C. C. C. & St. L. Ry.)

PEORIA COUNTY—County Seat, Peoria.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

WARSAW COAL CO., Peoria, operates Warsaw mine at Edwards. VEIN No. 5. Thickness 3 ft. 9 in. Drift. Pick mine. Daily capacity 300 tons. Trade name "Warsaw." Analysis on file.

IOWA CENTRAL RAILWAY.

APPLEGATE & LEWIS COAL CO., Peoria, operates Hanna mine at Hanna. VEIN No. 5. Thickness 4 ft. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "Hanna Chunks."

CLARK COAL & COKE CO., Peoria, operates Empire mines Nos. 1 and 2 at Bartlett. VEIN No. 5. Thickness 4 ft to 4 ft. 4 in. Shafts. Pick and Machine mines. Daily capacity 2000 tons. Trade name "Empire." Analysis on file.

PEORIA RAILROAD TERMINAL COMPANY.

WOLSCHLAG CO-OPERATIVE COAL CO., Peoria, operates Wolschlag mine at South Bartonville. (Also P. & P. U. Ry.) VEIN No. 5. Thickness 4 ft. 4 in. Slope. Machine and Pick mine. Daily capacity 500 tons. Trade name "Wolschlag."

PEORIA & PEKIN UNION RAILWAY.

COLLIER CO-OPERATIVE COAL CO., Peoria, operates mine at Bartonville. VEIN No. 4. Thickness 4 ft. 8 in. Shaft. Pick mine. Daily capacity 200 tons.

SHOLL BROS. Inc., Peoria, operates mine No. 3 at South Bartonville. VEIN No. 5. Thickness 4½ to 5 ft. Shaft. Machine mine. Daily capacity 500 tons.

WOLSCHAG CO-OPERATIVE COAL CO., Peoria, operates Wolschlag mine at South Bartonville. (See P. R. T. Co.)

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BRATTICE CLOTH and WIRE ROPE

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ILLINOIS—Peoria County—(Continued)

TOLEDO, PEORIA & WESTERN RAILWAY.

MAPLETON COAL CO. Inc., Mapleton, operates Foleys mine at Mapleton. VEIN No. 5. Thickness 4 ft. 8 in. Slope. Pick mine. Daily capacity 225 tons. Trade name "Mapleton."

PERRY COUNTY—County Seat, Pinckneyville.

ILLINOIS CENTRAL RAILROAD.

BAILEY BROS. COAL CO., Sunfield, operates Sun mine at Sunfield. VEIN*. Thickness 5 ft. Shaft. Pick mine. Daily capacity 250 tons.

BRILLIANT COAL & COKE CO., DuQuoin, operates Horn mine at Du Quoin. VEIN Old Star. Thickness 7½ ft. Shaft. Pick mine. Daily capacity 800 tons. Trade name "Brilliant."

DU QUOIN OPERATING CO., THE, Du Quoin, operates Queen mine at Clinch. VEIN No. 6. Thickness 8 ft. Shaft. Pick mine. Daily capacity 1300 tons. Trade name "Majestic."

EQUITABLE COAL & COKE CO., Du Quoin, operates Majestic mine at Clinch. VEIN No. 7. Thickness 9 ft. Shaft. Pick mine. Daily capacity 2000 tons. Analysis on file.

MAJESTIC COAL & COKE CO., Du Quoin, operates Majestic mine at Clinch. VEINS Nos. 6 and 7. Thickness 9 ft. Shaft. Pick mine. Daily capacity 2000 tons. Trade name "Majestic." Analysis on file.

PARADISE COAL & COKE CO., Du Quoin, operates Paradise mine at Du Quoin. VEIN No. 6. Thickness 10 ft. Shaft. Machine and Pick mine. Daily capacity 1800 tons. Trade name "Paradise." Analysis on file.

TAMAROA & LITTLE MUDDY COAL CO., THE, Tamaroa, operates mine at Tamaroa. VEIN No. 6. Thickness average 5 ft. 8 in. Shaft. Pick mine. Daily capacity 450 tons. Analysis on file.

MOBILE & OHIO RAILROAD.

WILLIS COAL & MINING CO., St. Louis, Mo., operates Willis mine No. 1 at Willisville. VEIN No. 6. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1200 tons.

WABASH, CHESTER & WESTERN RAILROAD.

JOHNSON-ALLEN COAL CO., Mt. Vernon, operates Barnard mine at Cutles. VEIN No. 6. Thickness 6 ft. Shaft. Pick mine. Daily capacity 400 tons. Analysis on file.

STRAIT COAL CO., THE, Pinckneyville, operates Strait mine at Pinckneyville. VEIN No. 5. Thickness 6 ft. 10 in. Shaft. Pick mine. Daily capacity 200 tons.

PUTNAM COUNTY—County Seat, Hennepin.

CHICAGO, MILWAUKEE & ST. PAUL RAILWAY.

ST. PAUL COAL CO., Chicago, operates Granville mine No. 1 at Granville. VEIN No. 3. Thickness average 40 in. Shaft. Pick mine. Daily capacity 1500 tons.

*NOT REPORTED

JEFFREY ELECTRIC MINE HOISTS are made with single or double drum, suitable for every hoisting requirement. Send for illustrated literature and prices. The Jeffrey Manufacturing Company, Columbus, Ohio.

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ILLINOIS—(Continued)

RANDOLPH COUNTY—County Seat, Chester.

ILLINOIS CENTRAL RAILROAD.

JONES BROS. COAL MINING CO., Marissa, operates Eureka mine No. 2 at Tilden. VEIN No. 6. Thickness 7 ft. Shaft. Pick mine. Daily capacity 500 tons.

WEST MINE COAL CO., Coulterville, operates Consolidated mine at Coulterville. VEIN Bituminous. Thickness 6 ft. Shaft. Pick mine. Daily capacity 250 tons. Trade name "Consolidated."

ILLINOIS SOUTHERN RAILWAY.

ILLINOIS FUEL CO., Sparta, operates mine No. 4 at Shaws. VEIN No. 6. Thickness 6 ft. Shaft. Machine mine. Daily capacity 800 tons. Analysis on file.

MOBILE & OHIO RAILROAD.

BOYD COAL & COKE CO., Sparta, operates Boyd mine No. 1 at Sparta. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 500 to 700 tons. Analysis on file.

WILLIS COAL & MINING CO., St. Louis, Mo., operates mine No. 6 at Percy. VEIN No. 6. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1500 tons.

Same Company operates mine No. 7 at Sparta. VEIN No. 6. Thickness 5 ft. 8 in. Shaft. Pick mine. Daily capacity 600 tons.

WILSON BROS. COAL CO., Sparta, operates Eden mine at Sparta. VEIN No. 6. Thickness 6 ft. Shaft. Pick mine. Daily capacity 500 tons. Analysis on file.

ST. CLAIR COUNTY—County Seat, Belleville.

BALTIMORE & OHIO SOUTHWESTERN RAILROAD.

CLULEY-MILLER COAL CO., St. Louis, Mo., operates Ruby mine at Furmans Sta. VEIN No. 6. Thickness 7 ft. Shaft. Pick mine. Daily capacity 500 tons. Analysis on file.

INTERNATIONAL COAL & MINING CO., St. Louis, Mo., operates Carbon mine at Carbon. VEIN*. Thickness 7½ ft. Shaft. Pick mine. Daily capacity 800 tons. Trade name "Carbon."

Same Company operates Bennett mine at Lebanon. VEIN*. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 500 tons. Trade name "St. Agnes."

TAYLOR COAL CO., JOSEPH, O'Fallon, operates Ridge Prairie and Taylor mines at O'Fallon. VEINS*. Thickness 8 ft. Shafts. Pick mines. Daily capacity 1600 tons. Trade names "Taylor" and "Prairie Ridge."

EAST ST. LOUIS & SUBURBAN RAILROAD.

PRAIRIE COAL CO., St. Louis, Mo., operates Prairie mine at Prairie Cross Roads. VEIN*. Thickness 7 ft. Shaft. Pick mine. Daily capacity 1800 tons. Trade name "Prairie."

TAYLOR COAL CO., JOSEPH, O'Fallon, operates St. Ellen mine at O'Fallon. VEIN*. Thickness 8 ft. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "St. Ellen."

*NOT REPORTED

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THE B. F. GOODRICH COMPANY, Akron, O. Write for Special Literature

ILLINOIS—St. Clair County—(Continued)

ILLINOIS CENTRAL RAILROAD.

BORDERS COAL CO., Marissa, operates Borders mines Nos. 1 and 2 at Marissa. VEIN*. Thickness 5 to 7 ft. Shafts. Pick mines. Daily capacity 1200 tons.

JONES BROS. COAL & MINING CO., Marissa, operates Eureka mine No. 1 at Marissa. VEIN No. 6. Thickness 7 ft. Shaft. Pick mine. Daily capacity 500 tons.

LOUISVILLE & NASHVILLE RAILROAD.

BEATTY COAL CO., Mascoutah, operates Beatty mine at Mascoutah. VEIN* Thickness 6 to 7½ ft. Shaft. Machine mine. Daily capacity 500 tons.

CENTRAL INDIANA COAL MINING CO., St. Louis, Mo., operates Enterprise mine at Rentchler. VEIN*. Thickness 6 ft. Shaft. Pick mine. Daily capacity 300 tons. Trade name "Enterprise." (Also in Indiana.)

FULLERTON COAL CO., Belleville, operates Fullerton mine at Belleville. VEIN No. 6. Thickness 7 ft. Shaft. Pick mine. Daily capacity 700 tons. Analysis on file.

ROYAL COAL & MINING CO., Belleville, operates Royal mine at Belleville. VEIN*. Thickness 6½ ft. to 7 ft. Shaft. Machine mine. Daily capacity 1200 tons.

SUMMIT COAL & MINING CO., Belleville, operates Summit mine at Belleville. VEIN Bituminous. Thickness 7 ft. Shaft. Pick mine. Daily capacity 300 tons.

WHITE & SONS, J., Belleville, operates Branch mine No. 2 at Belleville. VEIN No. 6. Thickness 6 ft. Shaft. Pick mine. Daily capacity 150 tons.

ST. LOUIS & BELLEVILLE ELECTRIC RAILROAD.

SUBURBAN COAL & MINING CO., Belleville, operates Suburban mine at Signal Hill. VEIN*. Thickness 7 ft. Shaft. Pick mine. Daily capacity 600 tons.

SUPERIOR COAL & MINING CO., Belleville, operates Superior mine at Ogles Station. VEIN No. 1. Thickness 7½ ft. Shaft. Machine mine. Daily capacity 1000 tons.

ST. LOUIS & O'FALLON RAILROAD.

ST. LOUIS & O'FALLON COAL CO., East St. Louis, operates mines Nos. 1 and 2 at East St. Louis. VEIN*. Thickness 7 ft. Shafts. Pick mines. Daily capacity 6300 tons.

SOUTHERN RAILWAY.

PITTSBURG MINING CO., Belleville, operates Pittsburg mine at Belleville. VEIN No. 1. Thickness 7 ft. Shaft. Pick mine. Daily capacity 350 tons.

SALINE COUNTY—County Seat, Harrisburg.

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY.

HARRISBURG BIG MUDDY COAL CO., Chicago, operates mine No. 12 at Harrisburg. VEIN No. 5. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 1200 tons.

Same Company operates mine No. 14 at Ledford. VEIN No. 5. Thickness 7 ft. Shaft. Machine mine. Daily capacity 1800 tons.

HARRISBURG SOUTHERN COAL CO., Chicago, operates mine at Grayson. (Also I. & N. and I. C. R. R.) VEIN*. Thickness 5 ft. 8 in. to 6 ft. 4 in. Shaft. Machine and Pick mine. Daily capacity 1000 tons.

*NOT REPORTED

JEFFREY COAL WASHING EQUIPMENTS for reduction of ash or sulphur in coal. Bulletin No. 27 contains descriptions of many interesting washing installations. The Jeffrey Manufacturing Company, Columbus, Ohio.

Spring Creek Coal Company

High Grade Bituminous Illinois Coal

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ILLINOIS—Saline County—C. C. C. & St. L. Ry.—(Continued)

O'GARA COAL CO., Chicago, operates mines Nos. 1, 2, 3, 4, 6, and 9 at Harrisburg, No. 5, at Carrier Mills, and No. 7 at Ledford. VEIN*. Thickness*. Shafts. Machine and Pick mines. Daily capacity 11900 tons.
Same Company operates mine No. 8 at Eldorado. (Also I. C. R. R.) VEIN*. Thickness*. Shaft. Machine and Pick mine. Daily capacity 1200 tons.
Same Company operates mines Nos. 10 and 11 at Eldorado. (Also I. C. and L. & N. R. R.) VEIN*. Thickness*. Shafts. Machine mines. Daily capacity 3300 tons.

SALINE COUNTY COAL CO., Chicago, operates mines Nos. 1 and 2 at Harrisburg. VEIN No. 5. Thickness 7½ ft. Shafts. Pick mines. Daily capacity 1200 tons. Trade name "Premium."

WASSON COAL CO., Harrisburg, operates Wasson mine No. 1 at Wasson. VEIN No. 5. Thickness 5 to 6 ft. Shaft. Pick mine. Daily capacity 2000 tons. Trade name "Harrisburg White Ash." Analysis on file.

ILLINOIS CENTRAL RAILROAD.

GALATIA COAL CO., THE, Galatia, operates mine at Galatia. VEIN No. 7. Thickness 5 ft. 8 in. Shaft. Pick mine. Daily capacity 1000 tons.

HARRISBURG SOUTHERN COAL CO., Chicago, operates Harrisburg mine at Grayson. (See C. C. C. & St. L. Ry.)

O'GARA COAL CO., Chicago, operates mines Nos. 8, 10 and 11 at Eldorado. (See C. C. C. & St. L. Ry.)

LOUISVILLE & NASHVILLE RAILROAD.

HARRISBURG SOUTHERN COAL CO., Chicago, operates mine at Grayson. (See C. C. C. & St. L. Ry.)

O'GARA COAL CO., Chicago, operates mines Nos. 10 and 11 at Eldorado. (See C. C. C. & St. L. Ry.)

SANGAMON COUNTY—County Seat, Springfield.

BALTIMORE & OHIO SOUTHWESTERN RAILROAD.

ILLINOIS COLLIERIES CO., Springfield, operates Springfield mine No. 8 at Springfield. (Also C. & A. and C. P. & St. L. Rys. and I. C. and Wabash Railroads.) VEIN No. 5. Thickness 5 ft. 9 in. Shaft. Pick mine. Daily capacity 1500 tons. Trade name "Empire."

O'GARA, T. J., Chicago, operates Jefferson mine at Springfield. VEIN*. Thickness*. Shaft. Pick mine. Daily capacity 1000 tons.

SPRING CREEK COAL CO., Springfield, operates mine at Springfield. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 700 tons. Analysis on file.

WEST END COAL CO., of SPRINGFIELD, Springfield, operates West End mine at Springfield. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "West End."

CHICAGO, BURLINGTON & QUINCY RAILROAD.

CHICAGO, WILMINGTON & VERMILLION COAL CO., Chicago, operates Thayer mine No. 1 at Thayer. (Also C. & A. Ry.) VEIN No. 5. Thickness 8 ft. Shaft. Machine Mine. Daily capacity 2250 tons. Trade name "Thayer." Analysis on file.

*NOT REPORTED

Chicago, Wilmington & Vermillion Coal Co.

Miners and Shippers of

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ILLINOIS—Sangamon County—(Continued)

CHICAGO, PEORIA & ST. LOUIS RAILWAY.

CANTRALL CO-OPERATIVE COAL CO., Cantrall, operates Cantrall mine at Cantrall. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 700 tons. Trade name "Cantrall."

CITIZENS COAL MINING CO., THE, Springfield, operates mines "A" and "B" at Springfield. VEIN No. 5. Thickness 6 ft. Shafts. Pick mines. Daily capacity 2000 tons. Trade name "Washington." Analysis on file.

CORA COAL CO., Springfield, operates Cora mine at Andrew. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 1000 tons. Analysis on file.

ILLINOIS COLLIERIES CO., Springfield, operates Springfield mine No. 8 at Springfield. (See B. & O. S. W. R. R.)

TUXHORN COAL CO., Springfield, operates Tuxhorn mine at Keys. (Also C. & A. and C. H. & D. Rys. and I. C. R. R.) VEIN No. 3. Thickness 5 ft. 8 in. Shaft. Pick mine Daily capacity 1000 tons. Trade name "Tuxhorn" Analysis on file.

CHICAGO & ALTON RAILWAY.

BLACK DIAMOND COAL CO., Auburn, operates Black Diamond mine at Auburn. VEIN No. 6. Thickness 8 ft. Shaft. Pick mine. Daily capacity 1800 tons.

CANTRALL CO-OPERATIVE COAL CO., Cantrall, operates Republic mine at Springfield. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 600 tons. Trade name "Republic."

CHICAGO-SPRINGFIELD COAL CO., Springfield, operates C-S mine at Springfield. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 1500 tons. Trade name "C-S." Analysis on file.

CHICAGO, WILMINGTON & VERMILLION COAL CO., Chicago, operates Thayer mine No. 1 at Thayer. (See C. B. & Q. R. R.)

ILLINOIS COLLIERIES CO., Springfield, operates Auburn mine No. 2 at Auburn. VEIN No. 5. Thickness 5 ft. 9 in. Shaft. Pick mine. Daily capacity 1200 tons.

Same Company operates Springfield mine No. 8 at Springfield. (See B. & O. S. W. R. R.)

ILLINOIS MIDLAND COAL CO., Chicago, operates Sherman mine at Sherman. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 2200 tons.

SANGAMON COAL CO., Springfield, operates Sangamon mine No. 2 at Springfield. (Also C. H. & D. Ry. and I. C. R. R.) VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 1000 tons. Analysis on file

SPRINGFIELD COAL MINING CO., Springfield, operates Black Diamond mine No. 4 at Iles, and Junction mine No. 5. at Springfield Junction. (Also Wabash R. R.) VEIN No. 5. Thickness 6 ft. Shafts. Pick mines. Daily capacity 2800 tons. Analysis on file.

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THE UPSON-WALTON CO.

CLEVELAND, OHIO

ILLINOIS—Sangamon County—C. & A. Ry.—(Continued)

SPRINGFIELD CO-OPERATIVE COAL CO., Springfield, operates mine at Springfield. VEIN*. Thickness 5 ft. 10 in. Shaft. Pick mine. Daily capacity 700 tons.

TUXHORN COAL CO., Springfield, operates Tuxhorn mine at Keys. (See C. P. & St. L. R. R.)

WILLIAMSVILLE COAL CO., Springfield, operates mine at Selbytown. VEIN No. 5. Thickness 5 ft. 10 in. Shaft. Pick mine. Daily capacity 800 tons.

CINCINNATI, HAMILTON & DAYTON RAILWAY.

SANGAMON COAL CO., Springfield, operates Sangamon mine No. 2 at Springfield. (See C. & A. R. R.)

TUXHORN COAL CO., Springfield, operates Tuxhorn mine at Keys. (See C. P. & St. L. R. R.)

ILLINOIS CENTRAL RAILROAD.

BARCLAY COAL & MINING CO., Springfield, operates Barclay mine at Barclay. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 1000 tons.

ILLINOIS COLLIERIES CO., Springfield, operates Springfield mine No. 8 at Springfield. (See B. & O. S. W. R. R.)

SANGAMON COAL CO., Springfield, operates Sangamon mine No. 2 at Springfield. (See C. & A. Ry.)

SPRINGFIELD COAL MINING CO., Springfield, operates Starne mine No. 3 at Starne. (Also Wabash R. R.) VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 900 tons. Analysis on file.

STANDARD WASHED COAL CO., Springfield, operates Clear Lake mine at Bissell. VEIN*. Thickness 6 ft. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "Clear Lake." Analysis on file.

Same Company operates Spaulding mine at Spaulding. VEIN*. Thickness 6 ft. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "Spaulding." Analysis on file.

TUXHORN COAL CO., Springfield, operates Tuxhorn mine at Keys. (See C. P. & St. L. R. R.)

ILLINOIS TRACTION SYSTEM.

MECHANICSBURG COAL CO., (T. B. Enochs, Owner), Mechanicsburg, operates mine at Mechanicsburg. VEIN*. Thickness 5 ft. Shaft. Pick mine. Daily capacity 225 tons.

SPRINGFIELD TERMINAL RAILROAD.

JONES & ADAMS COAL CO., Springfield, operates Peerless mine at Springfield. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 2000 tons. Analysis on file.

*NOT REPORTED

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JEFFREY PICKING TABLES are suitable for handling Coal or Ores for various conditions. Built with Rubber Belt and overlapping pan. Plans and prices upon request. The Jeffrey Manufacturing Company, Columbus, Ohio.

ILLINOIS—Sangamon County—(Continued)

WABASH RAILROAD.

ILLINOIS COLLIERIES CO., Springfield, operates Springfield mine No. 8 at Springfield. (See B. & O. S. W. R. R.)

SPRINGFIELD COAL MINING CO., Springfield, operates Riverton mines Nos. 1 and 2 at Riverton. VEIN No. 5. Thickness 6 ft. Shafts. Pick mines. Daily capacity 3000 tons. Analysis on file.

Same Company operates Starne mine No. 3 at Starne. (See I. C. R. R.)

Same Company operates Black Diamond mine No. 4 at Iles. (See C. & A. Ry.)

Same Company operates Junction mine No. 5 at Springfield Junction. (See C. & A. Ry.)

WABASH COAL CO., Quincy, operates Dawson mine No. 1 at Dawson. VEIN No. 5. Thickness 5½ ft. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "Dawson."

SHELBY COUNTY—County Seat, Shelbyville.

BALTIMORE & OHIO RAILROAD.

CENTURY COAL CO., Tower Hill, operates mine No. 1 at Tower Hill. (Also C. C. C. & St. L. Ry.) VEIN No. 6. Thickness 8 ft. 4 in. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "Century."

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY.

CENTURY COAL CO., Tower Hill, operates mine No. 1 at Tower Hill. (See B. & O. R. R.)

ILLINOIS CENTRAL RAILROAD.

MOWEAQUA COAL MINING & MANUFACTURING CO., Moweaqua, operates mine No. 1 at Moweaqua. VEIN No. 5. Thickness 5 ft. 3 in. Shaft. Pick mine. Daily capacity 500 tons. Trade name "Erie." Analysis on file.

STARK COUNTY—County Seat, Toulon.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

HIGBEE & CO., Wyoming, operates Wyoming mine at Wyoming. VEIN No. 6. Thickness 4 ft. Shaft. Pick mine. Daily capacity 200 tons.

TAZEWELL COUNTY—County Seat, Pekin.

ATCHISON, TOPEKA & SANTA FE RAILWAY.

CHAMPION COAL CO., Pekin, operates Pfanz mine at Pekin. VEIN No. 5. Thickness 4 ft. 8 in. Shaft. Pick mine. Daily capacity 200 tons.

LAKE ERIE & WESTERN RAILROAD.

LAKE ERIE COAL & MINING CO., Peoria, operates mine at East Peoria. VEIN No. 5. Thickness 4 ft. 4 in. Slope. Machine and Pick mine. Daily capacity 200 tons.

THE UPSON-WALTON COMPANY

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ILLINOIS—(Continued)

VERMILLION COUNTY—County Seat, Danville.

CHICAGO & EASTERN ILLINOIS RAILROAD.

BRAZIL BLOCK COAL CO., Chicago, operates mines Nos. 3 and 4 at Steelton. VEIN No. 6. Thickness 5 ft. 8 in. Shafts. Pick mines. Daily capacity 3200 tons. (Also in Indiana.)

HASKINS & SONS, Grape Creek, operates Hawbuck mine at Grape Creek, VEIN No. 6. Thickness 7 ft. Slope. Pick mine.

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY.

ELECTRIC COAL CO., Danville, operates Electric mine at Hillary. VEIN No. 7. Thickness 6 ft. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "Electric."

GRAY, E. S., COAL CO., Danville, operates Gray's mine at Missionfield. VEIN No. 1. Thickness 6 ft. Shaft. Pick mine. Daily capacity 600 tons. Analysis on file.

MAUCK BROS., Danville, operates mine at Batestown. VEIN Danville. Thickness 6 ft. Drift. Pick mine. Daily capacity 100 tons.

ILLINOIS TRACTION SYSTEM.

SOUTH OAKWOOD COAL CO., Oakwood, operates Oakwood mine at Oakwood. VEIN Top Vein. Thickness 6 ft. Shaft. Pick mine. Daily capacity 200 tons.

TILTON COAL CO., Danville, operates Star mine at Tilton. VEIN Danville. Thickness 6 ft. Incline. Pick mine. Daily capacity 300 tons.

WABASH RAILROAD.

DANVILLE COLLIERIES COAL CO., Catlin, operates Catlin Shaft at Catlin. VEIN Danville. Thickness 5½ ft. Shaft. Pick mine. Daily capacity 250 tons. Analysis on file.

WILLIAMSON COUNTY—County Seat, Marion.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

CHICAGO & CARTERVILLE COAL CO., Herrin, operates mine "A" at Herrin. (Also I. C. R. R. and Mo. Pac. Ry.) VEIN No. 7. Thickness 9 ft. Shaft. Machine Mine. Daily capacity 2500 tons. Trade name "Hickory Hill." Analysis on file.
Same Company operates mine "B" at Herrin. VEIN No. 7. Thickness 9 ft. Shaft. Pick mine. Daily capacity 1500 tons. Trade name "Hickory Hill." Analysis on file.

SUNNYSIDE COAL CO., Chicago, operates Sunnyside mine at Herrin. (Also I. C. R. R.) VEIN Carterville. Thickness*. Shaft. Machine and Pick mine. Daily capacity 2100 tons.

CHICAGO & ALTON RAILWAY.

MURPHY, LINSKEY & KASHER COAL CO., Braidwood, operates mine No. 4 at Braidwood. VEIN No. 2. Thickness 3 ft. 2 in. Shaft. Pick mine. Daily capacity 400 tons. Trade name "Wilmington."

*NOT REPORTED

Chicago & Carterville Coal Company

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HERRIN, ILLINOIS

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CORDAGE AND TACKLE BLOCKS

ILLINOIS—Williamson County—C. & A. Ry.—(Continued)

RIXON COAL CO., Chicago, operates Rixon mine at Braceville. VEIN No. 2. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 1000 tons.

CHICAGO & EASTERN ILLINOIS RAILROAD.

BIG MUDDY FUEL CO., Marion, operates Consumers mine at Johnston City. VEIN No. 7. Thickness 8 ft. Shaft. Pick mine. Daily capacity 1000 tons.

CARTERVILLE DISTRICT COAL CO., Marion, operates Carterville District mine at Marion. (Also Mo. Pac. Ry.) VEIN No. 7. Thickness 8 ft. Shaft. Machine mine. Daily capacity 1500 tons.

CHICAGO & BIG MUDDY COAL & COKE CO., Chicago, operates Big Muddy mine at Marion. (Also Mo. Pac. Ry.) VEIN No. 7. Thickness 7 to 10 ft. Shaft. Pick mine. Daily capacity 1800 tons. Trade name "Big Muddy." Analysis on file.

JOHNSTON CITY COAL CO., Chicago, operates mine No. 1 at Johnston City. (Also Mo. Pac. Ry.) VEIN No. 7. Thickness 9 ft. Shaft. Pick mine. Daily capacity 2000 tons. Analysis on file.

LAKE CREEK COAL CO., Marion, operates Lake Creek mine at Johnston City. (Also Mo. Pac. Ry.) VEIN No. 7. Thickness 9 to 13 ft. Shaft. Pick mine. Daily capacity 2000 tons. Trade name "Lake Creek."

WILLIAMSON COUNTY COAL CO., St. Louis, Mo., operates Johnston City mine at Johnston City. VEIN No. 7. Thickness 9 ft. Shaft. Pick mine. Daily capacity 1200 tons. Trade name "Black Brier."

COAL BELT RAILROAD.

ST. LOUIS-CARTERVILLE COAL CO., Herrin, operates Dale mine at Herrin. VEIN No. 7. Thickness 9 ft. Shaft. Pick mine. Daily capacity 1200 tons.

SOUTHERN ILLINOIS COAL CO., Chicago, operates Hemlock mine at Herrin. (Also I. C. R. R.) VEIN No. 7. Thickness 9 ft. Shaft. Pick mine. Daily capacity 950 tons. Trade name "Hemlock."

ELGIN, JOLIET & EASTERN RAILWAY.

WILMINGTON COAL MINING & MANUFACTURING CO., Chicago, operates mine No. 6 at Torino. VEIN*. Thickness 3 ft. 4 in. Shaft. Pick mine.

ELDORADO, MARION & SOUTHWESTERN RAILWAY.

ALLEGANY COAL CO., Marion, operates Allegany mine at Allegany. VEIN No. 7. Thickness 8 ft. Shaft. Pick mine. Just developing. Analysis on file.

COLP COAL CO., Marion, operates Colp mine at Pittsburg. VEIN No. 7. Thickness 7 ft. Shaft. Pick mine. Daily capacity 2000 tons. Trade name "Pittsburg."

KEYSTONE BIG MUDDY COAL & COKE CO., Marion, operates Keystone mine at Pittsburg. (Also I. C. R. R.) VEIN No. 7. Thickness 6½ ft. Shaft. Machine and Pick mine. Daily capacity 400 tons. Trade name "Keystone."

* NOT REPORTED

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Colliery Offices, Herrin, Ill.

BRANCH OFFICES: St. Louis, Mo. New Orleans, La. Boston, Mass.

ILLINOIS—Williamson County—(Continued)

ILLINOIS CENTRAL RAILROAD.

CARTERVILLE COAL CO., St. Louis, Mo., operates "Burr C" mine at Carterville. VEIN No. 9. Thickness 10 ft. Shaft. Pick mine. Daily capacity 1600 tons. Trade name "Burr Carterville." Analysis on file.

CARTERVILLE & BIG MUDDY COAL CO., Carterville, operates John mine at Cambria. VEIN No. 7. Thickness 9 to 11 ft. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "John's Domestic."

CARTERVILLE & HERRIN COAL CO., THE, Herrin, operates Jeffrey mine at Herrin. (Also Mo. Pac. Ry.) VEIN No. 7. Thickness 9 ft. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "Old Reliable Carterville."

CHICAGO & CARTERVILLE COAL CO., Herrin, operates mine "A" at Herrin. (See C. B. & Q. R. R.)

CHICAGO-HERRIN COAL CO., THE, Herrin, operates mine at Herrin. VEIN No. 7. Thickness 9 ft. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "Nubbin Ridge."

DONALY-KOENNECKE COAL CO., Carterville, operates New Donaly mine at Brush Crossing. VEIN Black Diamond. Thickness 9½ ft. Shaft. Pick mine. Daily capacity 1000 tons. Analysis on file.

KEYSTONE BIG MUDDY COAL & COKE CO., Marion, operates Keystone mine at Pittsburg. (See E. M. & S. W. Ry.)

SOUTHERN ILLINOIS COAL CO., Chicago, operates Oak Ridge mine at Johnston City. (Also St. L. I. M. & S. Ry.) VEIN No. 7. Thickness 9 ft. Shaft. Machine mine. Daily capacity 850 tons. Trade name "Oak Ridge." Analysis on file.
Same Company operates Hemlock mine at Herrin. (See Coal Belt R. R.)

SUNNYSIDE COAL CO., Chicago, operates Sunnyside mine at Herrin. (See C. B. & Q. R. R.)

TAYLOR COAL CO., Chicago, operates mines Nos. 1 and 2 at East Carterville. (Also Mo. Pac. Ry.) VEIN No. 6. Thickness 8 to 9 ft. Shafts. Pick mines. Daily capacity 2400 tons. Trade name "Energy." Analysis on file.

MISSOURI PACIFIC RAILWAY.

CARTERVILLE DISTRICT COAL CO., Marion, operates Carterville District mine at Marion. (See C. & E. I. R. R.)

CARTERVILLE & HERRIN COAL CO., THE, Herrin, operates Jeffrey mine at Herrin. (See I. C. R. R.)

CHICAGO & BIG MUDDY COAL & COKE CO., Chicago, operates Big Muddy mine at Marion. (See C. & E. I. R. R.)

CHICAGO & CARTERVILLE COAL CO., Herrin, operates mine "A" at Herrin. (See C. B. & Q. R. R.)

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Reputation Unsurpassed
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ILLINOIS—Williamson County—Missouri Pacific Ry.—(Continued)

JOHNSTON CITY COAL CO., Chicago, operates mine No. 1 at Johnston City. (See C. & E. I. R. R.)

LAKE CREEK COAL CO., Marion, operates Lake Creek mine at Johnston City. (See C. & E. I. R. R.)

TAYLOR COAL CO., Chicago, operates mines Nos. 1 and 2 at East Carterville. (See I. C. R. R.)

WEST VIRGINIA COAL CO., Marion, operates Ideal mine near Marion. VEIN No. 7. Thickness 7½ to 8 ft. Shaft. Machine mine. Daily capacity 1000 tons.

ST. LOUIS, IRON MOUNTAIN & SOUTHERN RAILWAY.

SOUTHERN ILLINOIS COAL CO., Chicago, operates Oak Ridge mine at Johnston City. (See I. C. R. R.)

JEFFREY COAL HANDLING MACHINERY is superior in design and construction. Write for information, plans and prices on your requirements. The Jeffrey Manufacturing Company, Columbus, Ohio.

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represent the highest standard of efficiency thus far attained in the construction of Coal Mining Machines.

JEFFREY 17-A ELECTRIC COAL CUTTER.

This machine is the one most generally used for cutting in seams over four feet in thickness where average conditions are met with.

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This machine is especially adaptable for working low veins, being very compact, the mechanism is simple, and amply strong for the most severe conditions.

JEFFREY COAL CUTTERS are essential in every Mine where strictly modern and reliable machinery is used. They are built to withstand the rough work incident to mine service and all parts are made interchangeable to insure quick replacements.

Also see pages 1 and 13

The Jeffrey Manufacturing Company

Columbus, Ohio.

1910

INDIANA

Index of Veins, showing Counties in which they are found.

Vein	County
No. 1 (Lower Vein Block)	Clay—Park—Sullivan—Vigo
No. 2	Sullivan
No. 3	Clay—Sullivan—Vermillion—Vigo
No. 4	Daviess—Green—Sullivan—Vermillion—Vigo—Warrick
No. 5	Clay—Green—Knox—Pike—Sullivan—Vermillion—Vigo—Warrick
No. 6	Gibson—Knox—Pike—Sullivan—Vermillion—Vigo
No. 7	Sullivan
No. 9	Vanderburg—Warrick
Block	Clay—Vigo
Cannel	Daviess
Minshall	Park
Rosedale	Park
Semi-Block	Park

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CLEVELAND, O.

INDIANA

CLAY COUNTY—County Seat, Brazil.

CENTRAL INDIANA RAILWAY.

HALL-ZIMMERMAN COAL CO., Brazil, operates Wizard mine at Brazil. VEIN No. 1 Lower Vein Block. Thickness 2½ to 4½ ft. Shaft. Pick mine. Daily capacity 200 tons.

CHICAGO & EASTERN ILLINOIS RAILROAD.

CRAWFORD COAL CO., Brazil, operates mines Nos. 9 and 10 at Brazil and Beech Grove respectively. VEIN Block. Thickness 3½ to 4 ft. Shafts. Pick mines. Daily capacity 500 tons. Analysis on file.

MIAMI COAL CO., Chicago, Ill., operates mines Nos. 1, 2, 3, 4, 5, and 6 at Brazil. VEIN No. 3. Thickness 5 to 8 ft. Shafts. Pick mines. Daily capacity 3500 tons.

EVANSVILLE & INDIANAPOLIS RAILROAD.

HARRISON COAL & MINING CO., Clay City, operates Harrison mine No. 5 at Clay City. VEIN Block. Thickness 3½ to 4½ ft. Shaft. Pick mine. Daily capacity 150 tons. Trade name "Lancaster Block." Analysis on file.

INDIANA BLOCK COAL CO., Saline City, operates mine No. 1 at Saline City. VEIN Lower Vein Block. Thickness 3 ft. Shaft. Pick mine. Daily capacity 150 tons.

SOUTHERN INDIANA RAILWAY.

BIG VEIN MINING CO., Terre Haute, operates Big Vein mine near Coalmont. VEIN No. 5. Thickness 7½ to 11 ft. Shaft. Machine mine. Daily capacity 1500 tons. Trade name "Big Vein." Analysis on file.

VIVIAN COLLIERIES CO., Chicago, Ill., operates Vivian mines Nos. 1 and 2 at Jasonville. Shafts. Machine and Pick mines. Daily capacity 1200 tons.

VANDALIA RAILROAD.

CRAWFORD COAL CO., Brazil, operates mines Nos. 2 and 6 at Center Point. VEIN Block. Thickness 3½ to 4 ft. Shafts. Pick mines. Daily capacity 400 tons. Analysis on file.

EHRLICH, C. COAL CO., Turner, operates Klondyke mine No. 3 at Turner. VEIN No. 3. Thickness 7½ ft. Shaft. Pick mine. (Just developing).

ZELLER, McCLELLAN & CO., Brazil, operates mine No. 4 at Brazil. VEIN Lower. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 150 tons. Trade name "Lower Vein Brazil Block." Analysis on file.

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Cannelburg, Ind.

INDIANA—(Continued)

DAVIESS COUNTY—County Seat, Washington.

BATIMORE & OHIO SOUTHWESTERN RAILROAD.

DAVIESS COUNTY COAL CO., THE, Montgomery, operates mine No. 4 at Montgomery. VEIN No. 4. Thickness 4 ft. Shaft. Pick mine. Daily capacity 1500 tons. Analysis on file.

MUTUAL MINING CO., THE, Cannelburg, operates Mutual mine at Cannelburg. VEIN Cannel and Bituminous. Thickness 3½ to 4 ft. Shaft. Pick mine. Daily capacity 250 tons. Analysis of Cannel on file.

EVANSVILLE & INDIANAPOLIS RAILROAD.

MANDABACK COAL CO., Washington, operates Mandaback mine at Washington. VEIN No. 4. Thickness 6 ft. Shaft. Pick mine. Daily capacity 300 tons. Trade name "Mandy."

GIBSON COUNTY—County Seat, Princeton.

EVANSVILLE & TERRE HAUTE RAILROAD.

FORT BRANCH COAL MINING CO., Ft. Branch, operates Ft. Branch mine at Ft. Branch. VEIN No. 6. Thickness*. Shaft. Daily capacity 500 tons. Analysis on file.

GREEN COUNTY—County Seat, Bloomfield.

SOUTHERN INDIANA RAILWAY.

ALLIANCE COAL CO., Chicago, Ill., operates Hoosier mine No. 1 at Linton. VEIN No. 4. Thickness 3½ ft. Shaft. Machine and Pick mine. Daily capacity 500 tons. Trade name "Indiana No. 4." Analysis on file.
Same Company operates Hoosier mine No. 2 at Linton. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 500 tons. Analysis on file.
Same Company operates Lattas Creek mine at Jasonville. VEIN No. 4. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 1800 tons. Trade name "Lattas No. 4." Analysis on file.

CALORA COAL CO., Indianapolis, operates Calora mine at Jasonville. VEIN No. 4. Thickness 5 ft. Shaft. Machine mine. Daily capacity 1000 tons. Trade name "Calora."

GREEN VALLEY COAL CO., Terre Haute, operates Green Valley mine at Jasonville. VEIN No. 4. Thickness 5 ft. Shaft. Machine mine. Daily capacity 1400 tons. Analysis on file.

QUEEN COAL & MINING CO., Jasonville, operates Queen mine at Jasonville. VEIN No. 4. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 500 tons.

VANDALIA RAILROAD.

ENTERPRISE COAL CO., Linton, operates Lyons mine at Linton. VEIN No. 4. Thickness 5 ft. Shaft. Pick mine. Daily capacity 150 tons.

SUMMIT COAL & MINING CO., Bloomfield, operates Summit mine at Linton. VEIN No. 4. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 1200 tons. Analysis on file.

*NOT REPORTED

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INDIANA—(Continued)

KNOX COUNTY—County Seat, Vincennes.

VANDALIA RAILROAD.

FREEMAN COAL CO., Bicknell, operates Freeman mine at Bicknell. VEIN No. 5. Thickness 7 ft. Shaft. Machine mine. Daily capacity 1500 tons.

HOME COAL CO., Bicknell, operates Bicknell mine at Bicknell. VEIN No. 6. Thickness 4 ft. 2 in. Shaft. Pick mine. Daily capacity 100 tons.

KNOX COAL CO., Bicknell, operates Knox mine at Bicknell. VEIN No. 5. Thickness 6 to 8½ ft. Shaft. Machine mine. Daily capacity 800 tons.

LINN COAL CO., Bicknell, operates Linn mine at Bicknell. VEIN No. 5. Thickness 5 to 6 ft. Shaft. Machine mine. Daily capacity 500 tons. Trade name "Indiana Raymond."

TECUMSEH COAL & MINING CO., Bicknell, operates Tecumseh mine at Bicknell. VEIN No. 5. Thickness 7 ft. Shaft. Machine mine. Daily capacity 1400 tons. Trade name "Tecumseh."

PARK COUNTY—County Seat, Rockville.

CENTRAL INDIANA RAILWAY.

ZELLER, McCLELLAN & CO., Inc., Brazil, operates mine No. 2 at Diamond. (Also C. & E. I. R. R.) VEIN Lower. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 300 tons. Trade name "Lower Vein Brazil Block."

CHICAGO & EASTERN ILLINOIS RAILROAD.

MECCA COAL CO., THE, Mecca, operates Fairview mine at Mecca. VEIN Minshall. Thickness 4 to 6 ft. Shaft. Pick mine. Daily capacity 400 tons. Trade name "Mecca."

OTTER CREEK COAL CO., Chicago, Ill., operates Mary mine No. 1 at Diamond. VEIN Block. Thickness 3 ft. Shaft. Machine mine. Daily capacity 175 tons.

VIVIAN COLLIERIES CO., Chicago, Ill., operates Lincoln mine at Clinton. Shaft. Machine and Pick mine. Daily capacity 800 tons.

ZELLER, McCLELLAN & CO., Inc., Brazil, operates mine No. 2 at Diamond. (See Central Indiana Ry.)
Same Company operates mines Nos. 3 and 5 at Diamond. VEIN Lower. Thickness 3 ft. 4 in. Shafts. Pick mines. Daily capacity 750 tons. Trade name "Lower Vein Brazil Block." Analysis on file.

VANDALIA RAILROAD.

HARRISON & SONS, W. P., Rockville, operates Klondyke mine at Rockville. VEIN Semi-Block. Average thickness 3½ ft. Shaft. Pick mine. Daily capacity 100 tons.

PARKE COUNTY COAL CO., Rosedale, operates mine No. 11 at Rosedale. VEIN Rosedale. Thickness 6½ to 7½ ft. Shaft. Machine and Pick mine. Daily capacity 750 tons. Analysis on file.

JEFFREY CONVEYERS FOR COAL AND COKE are designed and built to suit any practical conditions. Many installations are described in Catalog No. 81. The Jeffrey Manufacturing Company, Columbus, Ohio.

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INDIANA—(Continued)

PIKE COUNTY—County Seat, Petersburg.

EVANSVILLE & INDIANA RAILROAD.

LITTLE COAL CO., THE S. W., Evansville, operates Blackburn mines Nos. 1 and 2 at Blackburn. VEIN No. 5. Thickness 6 to 9 ft. Slope and Shaft. Pick mines. Daily capacity 2300 tons. Trade name "Blackburn."
Same Company operates Littles mine at Littles. VEIN No. 5. Thickness 5½ to 8 ft. Shaft. Machine and Pick mine. Daily capacity 1000 tons. Trade name "Flat Creek."

LITTLE SONS CO., S. W., Evansville, operates Gladstone mine at Gladstone. VEIN No. 5. Thickness 5 to 7 ft. Shaft. Pick mine. Daily capacity 150 tons. Trade name "Gladstone."

PEACOCK COAL & MININC CO., Indianapolis, operates Peacock mine No. 2 at Massy. VEIN No. 6. Thickness 8 ft. Slope. Machine mine. Daily capacity 300 tons. Trade name "Peacock".

SOUTHERN RAILWAY.

AYRSHIRE COAL CO., Oakland City, operates Ayrshire mines Nos. 4 and 5 at Ayrshire. VEIN No. 5. Thickness 5 ft. Drifts. Pick and Machine mines. Daily capacity 1500 tons. Trade name "Ayrshire." Analysis on file.

CENTRAL INDIANA COAL MINING CO., Muren, operates Carbon mine at Muren. VEIN No. 5. Thickness 5½ ft. Slope. Pick mine. Daily capacity 400 tons. Trade name "Carbon." (Also in Illinois.)

SULLIVAN COUNTY—County Seat, Sullivan.

CHICAGO, INDIANAPOLIS & LOUISVILLE RAILWAY.

SHIRLEY HILL COAL CO., Indianapolis, operates mine No. 1 near Linton. VEIN No. 6. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1000 tons.
Same Company operates Little Giant mine near Linton. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 1200 tons.
Same Company operates Clover Leaf mine at Cass. (Also Ind. South. R. R.) VEIN No. 4. Thickness 5 ft. Shaft. Machine mine. Daily capacity 1000 tons. Trade name "Clover Leaf."

EVANSVILLLE & TERRE HAUTE RAILROAD.

ALLIANCE COAL CO., Chicago, operates Alum Cave mine at Alum Cave. VEINS Nos. 1, 2 and 5. Thickness 4, 3½ and 9 ft. respectively. Machine mines. Daily capacity 1000 tons. Analysis on file.
Same Company operates Cummings mine at Cummings. VEIN No. 7. Thickness 5 ft. Slope. Pick mine. Daily capacity 500 tons. Trade name "Cummings No. 7." Analysis on file.
Same Company operates Phoenix mine at Shelburn and Hocking mine at Farmersburg. VEIN No. 6. Thickness 6 ft. Shafts. Machine mines. Daily capacity 2300 tons. Trade names "Phoenix and Hocking No. 6." Analysis on file.

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INDIANA—Sullivan County—E. & T. H. R. R.—(Continued)

BELLEVUE COAL CO., Carlisle, operates Bellevue mine at Carlisle. VEIN No. 5. Thickness 5 ft. Shaft. Pick mine. Daily capacity 1000 tons. Analysis on file.

CARLISLE COAL & CLAY CO., Carlisle, operates Carlisle mine at Carlisle. VEIN No. 5. Thickness 5 ft. Shaft. Pick mine. Daily capacity 1000 tons.

CONSOLIDATED INDIANA COAL CO., Chicago, Ill., operates mines Nos. 25, 26, 30, 32 and 33 at Hymera. (Also S. I. Ry.) VEINS Nos. 5 and 6. Thickness 5½ ft. Shafts. Machine mines. Daily capacity 5000 tons.

GREGORY COAL & MINING CO., Shelburn, operates Keystone mine at Shelburn. VEIN No. 5. Thickness average 5 ft. Shaft. Pick mine. Daily capacity 600 tons. Analysis on file.

HAMILTON COAL CO., Cincinnati, Ohio, operates Hamilton mine in Northeastern part of Sullivan County. VEIN No. 3 or 4. Thickness 6 ft. 4 in. Shaft. Machine mine. Daily capacity 500 tons.

HUDSON COAL & MINING CO., THE, Chicago, Ill., operates Superior mine at Farmersburg. VEIN No. 7. Thickness 6 ft. Shaft. Pick mine. Daily capacity 600 tons.

JACKSON HILL COAL & COKE CO., Terre Haute, operates mine No. 2 at Jackson Hill, and mine No. 4 at Kolsem. VEIN No. 6. Thickness 5½ ft. Shafts. Machine mines. Daily capacity 2500 tons. Trade name "Jackson Hill."

INDIANAPOLIS SOUTHERN RAILROAD.

ALLIANCE COAL CO., Chicago, operates Washington mine at Farnsworth. VEIN No. 6. Thickness 6 ft. Shaft. Machine mine. Daily capacity 800 tons. Trade name "Washington." Analysis on file.
Same Company operates Rainbow mine at Caledonia. VEIN No. 6. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1200 tons. Trade name "Rainbow." Analysis on file.

SHIRLEY HILL COAL CO., Indianapolis, operates Clover Leaf mine at Cass. (See C. I. & L. Ry.)

SULLIVAN COUNTY COAL CO., Terre Haute, operates Freeman mine at Dugger. VEIN No. 6. Thickness 5½ ft. Shaft. Pick mine. Daily capacity 500 tons.

SUNFLOWER COAL CO., Dugger, operates Sunflower mine No. 1 at Dugger. VEIN No. 6. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1200 tons. Analysis on file.

SOUTHERN INDIANA RAILWAY.

ALLIANCE COAL CO., Chicago, operates Tower Hill mine at Tower Hill. VEIN No. 3. Thickness 9 ft. Shaft. Pick mine. Daily capacity 1000 tons. Analysis on file.

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INDIANA—Sullivan County—Southern Indiana Ry.—(Continued)

Same Company operates Keystone mine at Jasonville. VEIN No. 4. Thickness 5½ ft. Shaft. Pick mine. Under development. Analysis on file.

Same Company operates Midland mine at Midland. VEIN No. 3. Thickness 6 to 9 ft. Shaft. Machine mine. Daily capacity 1000 tons. Analysis on file.

Same Company operates Mammoth Vein mine at Shelburn. VEIN No. 6. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1000 tons. Trade name "Mammoth No. 6." Analysis on file.

Same Company operates Gilmour mine at Gilmour. VEIN No. 4. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 1000 tons. Trade name "Gilmour No. 4." Analysis on file.

Same Company operates Citizens mine at Sullivan. VEIN No. 6. Thickness 5½ ft. Shaft. Machine and Pick mine. Daily capacity 600 tons. Analysis on file.

CONSOLIDATED INDIANA COAL CO., Chicago, operates mines Nos. 25, 26, 30, 32 and 33 at Hymera. (See E. & T. H. R. R.)

KETTLE CREEK MINING CO., Terre Haute, operates Pearl mine at Shelburn. VEIN No. 6. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 600 tons. Trade name "Kettle Creek."

VANDALIA RAILWAY.

SHIRLEY HILL COAL CO., Indianapolis, operates mine No. 3 near Linton. VEIN No. 6. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 1000 tons.

VANDERBURG COUNTY—County Seat, Evansville.

BELT RAILROAD.

CRESCENT COAL CO., Inc., Evansville, operates Crescent mine at Evansville. (Also I. C. R. R.) VEIN No. 9. Thickness 4½ ft. Shaft. Pick mine. Daily Capacity 800 tons.

SUNNYSIDE COAL & COKE CO., Evansville, operates Sunnyside mine at Evansville. VEIN No. 9. Thickness 4½ ft. Shaft. Pick mine. Daily capacity 300 tons.

EVANSVILLE & TERRE HAUTE RAILROAD.

DIAMOND COAL CO., Evansville, operates Diamond mine at Evansville. VEIN*. Thickness 4 ft. Shaft. Pick mine. Daily capacity 400 tons. Trade name "Diamond."

ILLINOIS CENTRAL RAILROAD.

CRESCENT COAL CO., Inc., Evansville, operates Crescent mine at Evansville. (See Belt R. R.)

*NOT REPORTED

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INDIANA—Vanderburg County—(Continued)

LOUISVILLE & NASHVILLE RAILROAD.

GIBSON & MOORE COAL CO., Evansville, operates Ingle mine at Evansville. VEIN No. 9. Thickness 4½ ft. Shaft. Pick mine. Daily capacity 400 tons.

VERMILLION COUNTY—County Seat, Newport.

CHICAGO & EASTERN ILLINOIS RAILROAD.

BRAZIL BLOCK COAL CO., Chicago, Ill., operates mine No. 2 at Westville. VEIN No. 6. Thickness 5 ft. 8 in. Shaft. Pick mine. Daily capacity 2000 tons. (Also in Illinois.)

CLINTON COAL CO., Clinton, operates Crown Hill mines Nos. 1 and 2 at Clinton. VEIN No. 5. Thickness 4 to 7 ft. Shafts. Pick and Machine mines. Daily capacity 2000 tons. Trade name "Crown Hill." Analysis on file.
Same Company operates Crown Hill mines Nos. 3 and 4 at Clinton. VEINS Nos. 3 and 4 respectively. Thickness 4 to 7 ft. Shafts. Pick and Machine mines. Daily capacity 2000 tons. Trade name "Crown Hill." Analysis on file.

OAK HILL COAL & MINING CO., Clinton, operates Buckeye mine at Clinton. VEIN No. 5. Thickness 4½ ft. Shaft. Pick mine. Daily capacity 1400 tons. Analysis on file.
Same Company operates Klondyke mine at Clinton. VEIN No. 3. Thickness 7 to 8 ft. Shaft. Pick mine. Daily capacity 1000 tons. Analysis on file.
Same Company operates Oak Hill mine at Clinton. VEIN No. 4. Thickness 4 ft. Shaft. Pick mine. Daily capacity 1500 tons. Analysis on file.

VIGO COUNTY—County Seat, Terre Haute.

CHICAGO & EASTERN ILLINOIS RAILROAD.

DOMESTIC BLOCK COAL CO., Kokomo, operates mine No. 1 at Brazil. VEIN Lower. Thickness 4 ft. Shaft. Machine mine. Daily capacity 400 tons. Trade name "Domestic Block." Analysis on file.

GRANT COAL MINING CO., Burnett, operates mine No. 3 at Burnett. VEIN No. 5. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1000 tons. Analysis on file.

JACKSON HILL COAL & COKE CO., Terre Haute, operates mine No. 5 at Tecumseh. VEIN No. 4. Thickness 5 ft. Shaft. Machine mine. Daily capacity 1500 tons. Trade name "Vigo."

OTTER CREEK COAL CO., Chicago, Ill., operates Mary mine No. 2 at Coal Bluff. VEIN Block. Thickness 3 ft. 9 in. Shaft. Machine mine. Daily capacity 100 tons.

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BRATTICE CLOTH AND WIRE ROPE

INDIANA—Vigo County—(Continued)

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY.

ALLIANCE COAL CO., Chicago, Ill., operates Forest mine at Terre Haute. VEIN No. 6. Thickness 7 to 8 ft. Shaft. Machine and Pick mine. Daily capacity 1000 tons. Trade name "Forest No. 6." Analysis on file.

LOWER VEIN COAL CO., Terre Haute, operates Lower Vein mine at Richards Switch. VEIN No. 5. Thickness 4½ ft. Shaft. Pick mine. Daily capacity 900 tons. Trade name "Lower Vein."

PITTSBURGH MINING CO., Terre Haute, operates mine No. 1 near Sanford. VEIN No. 4. Thickness 5½ to 6½ ft. Shaft. Pick mine. Daily capacity 2000 tons. Trade name "Sanford No. 4." Analysis on file.

VANDALIA RAILROAD.

DEEP VEIN COAL CO., Terre Haute, operates Deep Vein mine No. 1 at West Terre Haute. VEIN No. 5. Thickness 4 ft. 2 in. Shaft. Pick mine. Daily capacity 750 tons. Analysis on file.
Same Company operates Deep Vein mine No. 2 at West Terre Haute. VEIN No. 4. Thickness 5 ft. Shaft. Machine mine. Daily capacity 800 tons. Analysis on file.

GLEN AYR COAL CO., Terre Haute, operates Glen Ayr mines Nos. 1 and 2 at Terre Haute. VEIN No. 4. Thickness 5 ft. Shafts. Machine mines. Daily capacity 1400 tons.

SUGAR VALLEY COAL CO., West Terre Haute, operates Sugar Valley mine at West Terre Haute. VEIN No. 5. Thickness 4 ft. 2 in. Shaft. Pick mine, Daily capacity 200 tons. Trade name "Sugar Valley." Analysis on file.

VIGO COUNTY COAL CO., Turner, operates May mine No. 2 at Seelyville. VEIN No. 3. Thickness 7 ft. Shaft. Pick mine. Daily capacity 1000 tons.

WARRICK COUNTY—County Seat, Boonville.

EVANSVILLE, SUBURBAN & NEWBURG RAILWAY.

ARCHBOLD COAL CO., JOHN, Evansville, operates Red Shaft mine at Newburgh. VEIN No. 9. Thickness 4 ft. Shaft. Pick mine. Just developing. Analysis on file.

EPWORTH COAL CO., Newburg, operates Epworth mine at Newburg. VEIN No. 5. Thickness 4 ft. Shaft. Pick mine. Daily capacity 100 tons. Analysis on file.

MENDEN COAL CO., C. H., Evansville, operates Menden mine No. 2 at De Forest. (Also Southern Ry.) VEIN No. 5. Thickness 5½ ft. Slope Pick mine. Just developing.

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Fuse, Caps and Blasting
Supplies

CLEVELAND OHIO

INDIANA—Warrick County—E. S. & N. Ry.—(Continued)

WORSHAM NEWBURG COAL CO., Evansville, operates Worsham mine at Newburgh. VEIN No. 4. Thickness 4½ ft. Shaft. Pick mine. Daily capacity 200 tons.

EVANSVILLE & INDIANAPOLIS RAILROAD.

ELBERFELD OIL, GAS & MINING CO., Elberfeld, operates mine at Elberfeld. VEIN Ohio Valley No. 5. Thickness 4 to 9 ft. Shaft. Pick mine. Daily capacity 200 tons.

SOUTHERN RAILWAY.

BIG FOUR COAL CO., Boonville, operates Big Four mine at Boonville. VEIN No. 5. Thickness 7 ft. Slope. Machine mine. Daily capacity 800 tons. Analysis on file.

CALEDONIA MINING CO., New Albany, operates Caledonia mine near Chandler. VEIN No. 5. Thickness 5 ft. Shaft. Machine mine. Daily capacity 300 tons. Analysis on file.

CHANDLER COAL CO., Evansville, operates Chandler mine at Chandler. VEIN No. 5. Thickness 5 ft. Shaft. Machine mine. Daily capacity 400 tons.

ERIE CANAL COAL CO., Boonville, operates Erie Canal mine at Chandler. VEIN No. 5. Thickness 5 ft. Shaft. Machine mine. Daily capacity 500 tons.

MENDEN COAL CO., C. H., Evansville, operates Menden mine No. 1 at De Forest. VEIN No. 5. Thickness 6 to 7 ft. Shaft. Machine mine. Daily capacity 250 tons. Trade name "De Forest." Analysis on file.
Same Company operates Menden mine No. 2 at De Forest. (See E. S. & N. Ry.)

WOOLEY COAL CO., J., Evansville, operates Polk mines Nos. 5 and 7 at Polk Station. VEIN No. 5. Thickness 7 to 9 ft. Double Slope. Machine mines. Daily capacity 2500 tons. Trade name "Big Vein." Analysis on file.
Same Company operates Castle Garden mine No. 6 at Castle Garden. VEIN No. 5. Thickness 4½ to 5 ft. Shaft. Pick mine. Daily capacity 1000 tons. Analysis on file.

JEFFREY ROTARY TIPPLE DUMPS are thoroughly substantial and efficient, they dump to equal advantage, cars with or without end gates. The Jeffrey Manufacturing Company, *Columbus, Ohio.*

KENTUCKY

Index of Veins, showing Counties in which they are found.

Vein	County
No. 1	Floyd—Johnson—Pike—Pulaski—Wayne—Whitley
No. 2	Pulaski—Whitley
No. 4	Lawrence—Whitley
No. 5	Union
No. 6	Union
No. 7	Boyd—Carter
No. 9	Daviess—Henderson—Hopkins—Laurel—Muhlenburg—McLean—Ohio—Union—Webster
No. 11	Hopkins—Muhlenburg—Union—Webster
No. 14	Hopkins
No. 15	McLean
Banner	Pike
Barner	Bell
Barren Fork	Pulaski
Beattyville	Lee
Blue Gem	Whitley
Cannel	Carter—Johnson—Morgan
Coalton	Boyd
Columbia	Bell
Cumberland	Laurel
Dean	Bell—Knox
Empire	Christian
Excelsior	Bell
Freeburn	Pike
Gas	Lawrence
Harris	Bell
Hignite	Bell
Jellico	Knox—Whitley
Jellico Blue Gem	Whitley
Lily	Laurel
Lower Elkhorn	Pike
Mason	Bell
Mingo	Bell
Peach Orchard	Lawrence
Pineville	Bell
Poplar Lick	Bell
Splint	Lawrence
Straight Creek	Bell
Stray Seam	Bell—Christian—Henderson
Thacker	Pike
Turner	Bell
Upper Elkhorn	Pike

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KENTUCKY

BELL COUNTY—County Seat, Pineville.

LOUISVILLE & NASHVILLE RAIROAD.

BELL COUNTY COAL CO., Tinsley operates Elk mine at Tinsley. VEIN Dean. Thickness 6½ ft. Drift. Pick mine. Daily capacity 300 tons.

BIG HILL COAL CO., Richland, operates Blanche mine at Blanche. VEIN Straight Creek. Thickness 44 in. Drift. Machine and Pick mine. Daily capacity 600 tons.

BLACK RAVEN MINING CO., Chattanooga, Tenn., operates Black Raven mine at Four Mile. VEIN Straight Creek. Thickness 3 to 4 ft. Drift. Machine and Pick mine. Daily capacity 250 tons. Trade name "Black Raven." Analysis on file.

CANEY CREEK COAL & COKE CO., Mahanoy City, Pa., operates mine at Davisburg. VEIN Poplar Lick. Thickness 46 in. Drift and Incline. Machine mine. Daily capacity 500 tons. Analysis on file.

CENTRAL COAL CO., THE, Cary, operates mine at Cary. VEIN Straight Creek. Thickness 38 in. Drift. Pick mine. Daily capacity 100 tons. Trade name "Deer Lick Best Straight Creek." Analysis on file.

CLEAR CREEK COAL CO., Tamaqua, Pa., operates mine No. 1 at Chenoa. VEIN Poplar Lick. Thickness 52 in. Drift and Incline. Pick mine. Daily capacity 400 tons. Analysis on file.
Same Company operates mine No. 2 at Cairnes. VEIN Mason. Thickness 52 in. Drift and Incline. Pick mine. Daily capacity 300 tons. Analysis on file.

CLEAR FORK COAL & COKE CO., Middlesboro, operates mine at Fonde. VEIN Mingo. Thickness 6 ft. Drift. Pick mine. Daily capacity 1250 tons. Trade name "Clear Fork." Analysis on file.

COLEMAN MINING CO., Cary, operates Fox Ridge mine at Fox Ridge. VEIN Straight Creek. Thickness 40 to 42 in. Drift and Slope. Machine and Pick mine. Daily capacity 400 tons. Trade name "Fox Ridge." Analysis on file.

COLUMBIA COAL CO., Middlesboro, operates Columbia mine at Harlow. (Also Southern Ry.) VEIN Columbia. Thickness 6 ft. Drift. Incline. Daily capacity 500 tons.

CONTINENTAL COAL CORPORATION, Chattanooga, Tenn., operates Black Raven and Durell mines at Rim. VEIN Straight Creek. Thickness 3½ ft. Drifts. Machine mines. Daily capacity 500 tons. Trade name "Black Raven." Analysis on file.

THE UPSON - WALTON COMPANY
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WIRE ROPE,
TACKLE BLOCKS

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KENTUCKY—Bell County—L. & N. R. R.—(Continued)

Same Company operates Hickory Block mine at Rim. VEIN*. Thickness 7 ft. Drift. Machine mine. Daily capacity 800 tons. Trade name "Hickory Block." Analysis on file.

Same Company operates Black Bear mine at Rim. VEIN Straight Creek. Thickness 3 ft. Drift. Machine mine. Daily capacity 200 tons. Trade name "Black Bear." Analysis on file.

EAST JELLICO COAL CO., Tinsley, operates mines Nos. 1 and 2 at Tinsley. VEIN Dean. Thickness 6½ to 7 ft. Drifts. Machine and Pick mines. Daily capacity 800 tons. Trade name "Blue Gem Jellico." Aanalysis on file.

EXCELSIOR COAL CO., Middlesboro, operates Excelsior mine at Harvey. VEIN Excelsior. Thickness 52 in. Incline. Pick mine. Daily capacity 150 tons. Analysis on file.

FERNDALE COAL CO., THE, Ferndale, operates Ferndale mine at Ferndale. VEIN Barner. Thickness 3 ft. Drift. Pick mine. Daily capacity 80 tons.

FLATWOOD COAL CO., Middlesborough, operates mine at Middlesborough. (Also Southern Ry.) VEIN*. Thickness 38 in. Drift. Pick mine. Daily capacity 50 tons.

HIGNITE COAL MINING CO., THE, Covington, operates Hignite mine at Shamrock. (Also Southern Ry.) VEIN Hignite. Thickness 45 in. Drift. Machine mine. Analysis on file.

HOME COAL CO., Middlesboro, operates Home Coal mine at Middlesboro. (Also Southern Ry.) VEIN Excelsior. Thickness 4 ft. Drift. Pick mine. Daily capacity 20 tons.

KELLY COAL CO., Big Stone Gap, Va., operates mine at Chenoa. VEIN Poplar Lick. Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons.

LEFT FORK COAL CO., Cary, operates mine at Cary. VEIN Straight Creek. Thickness 42 in. Incline. Pick mine. Daily capacity 400 tons. Trade name "Straight Creek."

LUKE & DRUMMOND COAL CO., Inc., Logmont, operates Matthew mine at Logmont. (Also Southern Ry.) VEIN Stray Seam. Thickness 3½ ft. Drift. Machine and Pick mine. Daily capacity 275 tons.

Same Company operates Poplar Lick mine at Logmont. (Also Southern Ry.) VEIN Poplar Lick. Thickness 5 ft. Drift. Pick and Machine mine. Daily capacity 75 tons.

Same Company operates Hignite mine at Logmont. (Also Southern Ry.) VEIN Hignite. Thickness 4 ft. Drift. Machine and Pick mine. Daily capacity 50 tons.

MONARCH COAL & COKE CO., Middlesborough, operates Monarch mines Nos. 1 and 2 at Middlesborough. VEIN Hignite. Thickness 5 ft. Drifts. Pick mines. Daily capacity 500 tons. Trade name "Monarch." Analysis on file.

*NOT REPORTED

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KENTUCKY—Bell County—L. & N. R. R.—(Continued)

MOORE MINES, MARY, Middlesboro,, operates Mary Moore mine at Excelsior. VEIN Excelsior. Thickness 5 ft. Incline. Daily capacity 250 tons. Trade name "Excelsior." Analysis on file.

NEW BELL JELLICO COAL CO., Bell-Jellico, operates Bell-Jellico mine at Bell-Jellico. VEIN Dean. Thickness 7 ft. Drift. Pick mine. Daily capacity 600 tons. Trade name "Dean."

POPLAR HIGNITE COAL & COKE CO., Davisburg, operates Poplar Hignite mine at Davisburg. VEIN Poplar Lick. Thickness 4 ft. Incline. Pick mine. Daily capacity 60 tons.

SAGAMORE COAL CO., Logmont, operates Sagamore mine at Logmont. (Also Southern Ry.) VEIN Poplar Lick. Thickness*. Drift. Daily capacity 500 tons.

STRAIGHT CREEK COAL MINING CO., Cary, operates Moss mines at Cary. VEIN Straight Creek. Slope. Pick mine. Daily capacity 450 tons. Trade name "Moss Straight Creek." Analysis on file.

STRAIGHT CREEK COAL & COKE CO., Pineville, operates Straight Creek mines Nos. 2 and 3 and Harris mine No. 1 at Straight Creek. VEINS Pineville and Harris. Thickness 3 ft. Drift and Incline. Machine and Pick mines. Daily capacity 1000 tons. Trade name "Original Celebrated Straight Creek." Analysis on file.

TURNER COAL CO., Middlesboro, operates Turner mine at Middlesboro. (Also Southern Ry.) VEIN Turner. Thickness*. Drift. Pick mine. Daily capacity 100 tons. Trade name "Turner Steam."

WALLSEND COAL & COKE CO., Wallsend, operates Wallsend mine at Wallsend. Vein Straight Creek. Thickness 32 in. Drift. Machine and Pick mine. Daily capacity 300 tons. Analysis on file.

SOUTHERN RAILWAY.

COLUMBIA COAL CO., Middlesboro, operates Columbia mine at Harlow. (See L. & N. R. R.)

FLATWOOD COAL CO., Middlesborough, operates mine at Middlesborough. (See L. & N. R. R.)

HIGNITE COAL MINING CO., THE, Covington, operates Hignite mine at Shamrock. (See L. & N. R. R.)

HOME COAL CO., Middlesboro, operates Home Coal mine at Middlesborough. (See L. & N. R. R.)

LUKE & DRUMMOND COAL CO., Inc., Logmont, operates Mathew, Hignite and Poplar Lick mines at Logmont. (See L. & N. R. R.)

SAGAMORE COAL CO., Logmont, operates Sagamore mine at Logmont. (See L. & N. R. R.)

TURNER COAL CO., Middlesboro, operates Turner mine at Middlesboro. (See L. & N. R. R.)

*NOT REPORTED

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KENTUCKY—Continued)

BOYD COUNTY—County Seat, Catlettsburg.

ASHLAND COAL & IRON RAILWAY.

BIG RUN COAL CO., Winchester, operates Big Run mine at Princess. VEIN Coalton. Thickness 4 to 6 ft. Drift. Machine mine. Daily capacity 600 tons. Analysis on file.

CLERE, F. H., Lessee, Coalton, operates Clere mine No. 1 at Coalton. VEIN No. 7. Thickness 4 ft. Drift. Pick mine. Daily capacity 300 tons.

BUTLER COUNTY—County Seat, Morgantown.

GREEN RIVER.

MORGANTOWN COAL & MINING CO., Morgantown, operates West Aberdeen mine at Aberdeen. VEIN*. Thickness 3½ ft. Drift. Pick mine. Daily capacity 30 tons.

CARTER COUNTY—County Seat, Grayson.

CHESAPEAKE & OHIO RAILWAY.

GEIGERVILLE COAL & FIRE CLAY CO., Ashland, operates Morning Glory mine at Rush. VEIN No. 7. Thickness 5½ ft. Drift. Pick mine. Daily capacity 150 to 250 tons. Trade name "Morning Glory."

STRAIT CREEK COAL CO., Winchester, operates mine at Denton. VEIN No. 7. Thickness 3 ft. Drift. Pick mine. Daily capacity 100 tons.

EASTERN KENTUCKY RAILWAY.

KENTUCKY CANNEL CO., Riverton, operates Boghead mine at Afton. VEIN No. 2 Cannel. Thickness 26 in. Drift. Pick mine. Trade name "OK Boghead."

THAYER, N. ESTATE OF, Riverton, operates Willard mine at Willard. VEIN No. 7. Thickness 4 ft. Drift. Pick mine. Daily capacity 250 tons. Trade name "Willard."

CHRISTIAN COUNTY—County Seat, Hopkinsville

LOUISVILLE & NASHVILLE RAILROAD

EMPIRE COAL & COKE CO., Nashville, Tenn., operates Empire Mine at Empire. VEIN Stray or Lost Vein. Thickness 3½ ft. Shaft. Machine mine. Daily capacity 350 tons. Trade name "Empire." Analysis on file.

TERRY COAL & COKE CO., Hopkinsville, operates mine No. 1 at Mannington. VEIN Empire. Thickness 4 to 5 ft. Slope. Pick mine. Daily capacity 400 tons. Trade name "Terry." Analysis on file.

DAVIESS COUNTY—County Seat, Owensboro

INTERURBAN RAILROAD.

FERN HILLS COAL CO., Owensboro, operates Fern Hills mine at Owensboro. VEIN No. 9. Thickness 5 ft. Shaft. Machine mine. Daily capacity 400 tons.

*NOT REPORTED

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KENTUCKY—(Continued)

FLOYD COUNTY—County Seat, Prestonburg.

CHESAPEAKE & OHIO RAILWAY.

BETSY LAYNE COAL CO., Betsy Layne, operates Betsy Layne mine at Betsy Layne. VEIN No. 1. Thickness 4 ft. Drift. Pick mine. Daily capacity 100 tons. (Just developing.)

JEWELL COAL CO., Kilgore, operates Woods mine at Emma. VEIN*. Thickness 4 to 4½ ft. Drift. Pick mine. (Just developing.)

MIDDLE CREEK COAL CO., THE, Prestonburg, operates Middle Creek mine at Prestonburg. VEIN No. 1. Thickness 44 in. Drift. Machine mine. Daily capacity 400 tons. Trade name "Kentucky Cardinal." Analysis on file.

PRESTONBURG COAL CO., INC., Tazewell, Va., operates mine at Prestonburg. VEIN Prestonburg No. 1. Thickness 4½ ft. Drift. Machine mine. Daily capacity 100 tons. (Just developing.) Trade name "Kentucky Cardinal." Analysis on file.

HENDERSON COUNTY—County Seat, Henderson.

GREEN RIVER.

ARCHBOLD, JOHN, COAL CO., Evansville, Ind., operates Bluff City mine at Bluff City. VEIN No. 9. Thickness 4 ft. 2 in. Shaft. Pick mine. Daily capacity 300 tons. Analysis on file.

SMITH MILLS COAL & MINING CO., Smith Mills, operates mine at Smith Mills. VEIN*. Thickness 7 ft. Shaft. Pick mine. Daily capacity 100 tons. Analysis on file.

ILLINOIS CENTRAL RAILROAD.

CORYDON COAL CO., Corydon, operates mine at Corydon. VEIN Stray above Nos. 9 and 11. Thickness 5 ft. 2 in. Shaft. Pick mine. Daily capacity 100 tons. Analysis on file.

PEOPLE'S MINING CO., INC., Henderson, operates mine at Henderson. VEIN No. 9. Thickness 4 ft. Shaft. Pick mine. Daily capacity 300 tons.

LOUISVILLE, HENDERSON & ST. LOUIS RAILWAY

GREEN RIVER COAL CO., Evansville, Ind., operates mine at Spottsville. VEIN No. 9. Thickness 5 ft. Shaft. Machine and pick mine. Daily capacity 1200 tons. Analysis on file.

GREEN RIVER COAL CO., INC., Spottsville, operates mine at Spottsville. VEIN No. 9. Thickness 4 ft. Shaft. Pick mine. Daily capacity 400 tons. Analysis on file.

PITTSBURGH COAL CO., Baskett, operates Baskett mine at Baskett. VEIN No. 9. Thickness 4 ft. Shaft. Machine mine. Daily capacity 350 tons. Trade name "Silkston." Analysis on file.

*NOT REPORTED

JEFFREY COAL WASHING EQUIPMENTS for reduction of ash or sulphur in coal. Bulletin No. 27 contains descriptions of many interesting washing installations. The Jeffrey Manufacturing Company, Columbus, Ohio.

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The Product of the Largest and Best Equipped Rubber Factory in the World.

THE B. F. GOODRICH CO. AKRON, OHIO

KENTUCKY—(Continued)

HOPKINS COUNTY—County Seat, Madisonville.

ILLINOIS CENTRAL RAILROAD.

CARBONDALE COAL & COKE CO., Dawson Springs, operates Carbondale mine at Carbondale. VEIN No. 9. Thickness 4½ ft. Slope. Machine and pick mine. Daily capacity 500 tons. Trade name "Carbondale."

CRABTREE COAL MINING CO., Ilsley, operates Crabtree mine at Ilsley. VEIN No. 9. Thickness 5 ft. Drift. Machine mine. Daily capacity 1000 tons. Trade name "Crabtree."

NORTONVILLE COAL CO., Nortonville, operates mine No. 1 at Nortonville. VEINS Nos. 9 and 11. Thickness 5 and 6 ft. respectively. Shaft. Machine mine. Daily capacity 1000 tons. Trade name "Nortonville.

ST. BERNARD MINING CO., Earlington operates St. Charles mine No. 9 at St. Charles. VEIN No. 9. Thickness 5 ft. Drift. Machine mine. Daily capacity 1500 tons.

STIRLING COAL & COKE CO., INC., THE, Daniel Boone, operates Daniel Boone mine at Daniel Boone. VEIN No. 11. Thickness 6½ ft. Slope. Machine mine. Daily capacity 650 tons.

LOUISVILLE & NASHVILLE RAILROAD.

KINGTON COAL CO., Morton's Gap, operates mines Nos. 1 and 2 at Morton's Gap. VEIN No. 9. Thickness 5 ft. Slopes. Machine mines. Daily capacity 800 tons. Trade name "Famous Moss-Hill No. 9."

NEBO CONSOLIDATED COAL & COKING CO., Louisville, operates mine at Nebo. VEIN No. 14. Thickness 6½ ft. Slope. Machine mine. Trade name "Nebo No. 14." Analysis on file.

NORTONVILLE COAL CO., Nortonville, operates mine No. 2 at Nortonville. VEIN No. 11. Thickness 6 ft. 2 in. Slope. Machine mine. Daily capacity 800 tons. Trade name "Nortonville."

REINECKE COAL MINING CO., THE, Madisonville, operates Eureka mines at Madisonville. VEIN No. 11. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1500 tons. Trade name "Eureka." Analysis on file.

ROSE CREEK COAL CO., Nebo, operates Rose Creek mine at Nebo. VEIN No. 9. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 1000 tons. Trade name "Rose Creek." Analysis on file.

ST. BERNARD MINING CO., Earlington, operates Hecla No. 9, Arnold No. 9, Earlington No. 9 and Barnsley mines at Earlington. VEIN No. 9. Thickness 4 ft. 10 in. Drifts. Machine mines. Daily capacity 2650 tons.
Same Company operates Diamond mine No. 9 at Morton's Gap. VEIN No. 9. Thickness 5 ft. Drift. Machine mine. Daily capacity 800 tons.
Same Company operates Arnold and Earlington mines No. 11 at Earlington. VEIN No. 11. Thickness 6½ to 7 ft. Drifts. Machine mines. Daily capacity 1800 tons.

The Reinecke Coal Mining Co.

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SOLE MINERS AND SHIPPERS OF EUREKA COAL

MADISONVILLE, KY.

THE UPSON-WALTON COMPANY *CLEVELAND OHIO*

BRATTICE CLOTH and WIRE ROPE

CORDAGE and TACKLE BLOCKS

KENTUCKY—Hopkins County—L. & N. R. R.—(Continued)

VICTORIA COAL CO., Madisonville, operates Victoria mine at Madisonville. VEIN No. 9. Thickness 5 ft. Shaft. Machine mine. Daily capacity 750 tons. Analysis on file.

JOHNSON COUNTY—County Seat, Paintsville.

CHESAPEAKE & OHIO RAILWAY.

MEEK COAL CO., Paintsville, operates Meek's mine at Meek. VEIN No. 1. Thickness 3 ft. Drift. Machine mine. Daily capacity 150 tons.

NORTH-EAST COAL CO., Wilkes-Barre, Pa., operates mines Nos. 1, 2 and 3 at Paintsville. VEIN No. 1. Thickness 3 to 4 ft. Drifts. Machine mines. Trade name "Yellow Jacket." Analysis of mine No. 1 on file.

SANDY RIVER COAL CO., Chicago, Ill., operates Sandy River mine at Lower Greasy. VEIN Cannel. Thickness 5 ft. Drift. Pick mine. Daily capacity 250 tons. Trade name "Hiawatha Bituminous," and "Chattaroi Cannel Coal."

TIBBALS COAL CO., Lower Greasy, operates Tibbals mine at Lower Greasy. VEIN No. 1. Thickness 4 ft. Slope. Machine mine. Daily capacity 350 tons. Trade name "Kentucky Gem." Analysis on file.

KNOX COUNTY—County Seat, Barboursville.

CUMBERLAND RAILROAD.

INTERSTATE COAL CO., Johnson City, Tenn., operates Trosper mine No. 1 at Trosper. VEIN Dean. Thickness 5 ft. Drift. Machine mine. Daily capacity 250 tons.

Same Company operates Bays mine No. 2 at Warren. VEIN Dean. Thickness 4½ ft. Drift. Machine mine. Daily capacity 150 tons.

Same Company operates Warren or Cumberland mines Nos. 3 and 4 at Warren. VEIN Dean. Thickness 6 ft. Drift. Machine mine. Daily capacity 800 tons.

POWER COAL CO., Trosper, operates Power mine at Trosper. VEIN Dean. Thickness 6 ft. Incline. Machine and pick mine. Daily capacity 80 tons. Trade name "Power."

TROSPER COAL CO., THE, Trosper, operates Bennett mine No. 1 at Trosper. VEIN Dean. Thickness 6 ft. Incline. Machine mine. Daily capacity 400 tons. Trade name "Bennett Jellico." Analysis on file.

LOUISVILLE & NASHVILLE RAILROAD.

CHARLTON JELLICO COAL CO., Grays, operates Charlton mine at Charlton. VEIN Jellico. Thickness 3 ft. Drift. Pick mine. Daily capacity 120 tons.

COALPORT COAL CO., Coalport, operates mine at Coalport. VEIN Dean. Thickness 5 to 6 ft. Incline. Pick mine. Daily capacity 75 tons.

GRAY COAL CO., Grays, operates Possum Trot mine at Grays. VEIN Jellico. Thickness 4 ft. Drift. Pick mine. Daily capacity 150 tons.

HUGHES JELLICO COAL CO., Elys, operates Hughes mine at Elys. VEIN Jellico. Thickness 4 ft. Drift. Machine and pick mine. Daily capacity 400 tons.

JEFFREY CRUSHERS AND PULVERIZERS for reducing Coal and Coke are the best on the market. Bulletin No. 31 explains reasons why. Send for copy. The Jeffrey Manufacturing Company, Columbus, Ohio.

CRYSTAL BLOCK COAL COMPANY
(INCORPORATED)
Miners and Shippers of
High Grade Domestic and Steam Coal
Careful Preparation Bell Phone 18-2 LOUISA, KY

KENTUCKY—Knox County—L. & N. R. R.—(Continued)

NORTH JELLICO COAL CO., INC., THE, Louisville, operates Wilton mine at Wilton and Bertha mine at Bertha. VEIN Jellico. Thickness 44 in. Drifts. Machine mines. Daily capacity 1500 tons. Analyses on file.

NORTH POINT JELLICO COAL CO., Gray, operates mine at Gray. VEIN Jellico. Thickness 4 ft. Drift. Pick mine. Daily capacity 90 tons.

PARKER-GRAY COAL CO., Gray, operates Lynndale mine at Gray. VEIN South Fork Rock and Jellico. Thickness 5 and 4 ft. respectively. Drift and Incline. Pick mine. Daily capacity 200 tons. Trade name "Jellico."

LAUREL COUNTY—County Seat, London.

LOUISVILLE & NASHVILLE RAILROAD.

LILY JELLICO COAL CO., Lily, operates mine at Lily. VEIN Lily. Thickness 42 in. Drift. Machine mine. Daily capacity 500 tons. Trade name "Lily." Analysis on file.

Same Company operates mine at Lily. VEIN Lily. Thickness 46 in. Stripping Operation. Steam Shovel. Daily capacity 1000 tons. Trade name "Lily." Analysis on file.

NEW LAUREL COAL CO., Pittsburg, operates New Laurel mine at Pittsburgh. VEIN Cumberland. Thickness 3 to 3½ ft. Incline. Pick mine. Daily capacity 300 tons.

PHOENIX JELLICO COAL CO., Cincinnati, Ohio, operates New Diamond mine at Altamont. VEIN No. 9. Thickness*. Drift. Machine and pick mine. Daily capacity 650 tons. Trade name "New Diamond." Analysis on file.

PITTSBURG COAL CO., Pittsburg, operates Pittsburg mine at Pittsburg. VEIN Laurel. Thickness 3 ft. Slope. Machine and pick mine. Daily capacity 250 tons. Trade name "Peacock."

LAWRENCE COUNTY—County Seat, Louisa.

CHESAPEAKE & OHIO RAILWAY.

CRYSTAL BLOCK COAL CO., Louisa, operates mine at Rock Branch. VEIN No. 4. Thickness 5 ft. Drift. Pick mine. Daily capacity 75 tons. Analysis on file.

LOUISA COAL CO., THE, Mt. Vernon, Ohio, operates 2 mines at Torchlight. VEINS Splint and Gas. Thickness 4 ft. and 5 to 6 ft. respectively. Inclines Machine mines. Daily capacity 300 tons.

PEACH ORCHARD COAL CO., THE, Peach Orchard, operates Minnie and Anna mines at Peach Orchard. VEIN Peach Orchard. Thickness 5 ft. Drifts. Machine and pick mines. Daily capacity 150 tons. Trade name "Peach Orchard." Analysis on file.

* NOT REPORTED

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JEFFREY BUCKET ELEVATORS are made in sizes to suit a variety of requirements. Bucket Booklet No. 34 will be mailed on request. The Jeffrey Manufacturing Company, Columbus, Ohio.

KENTUCKY—(Continued)

LEE COUNTY—County Seat, Beattyville.

LOUISVILLE & ATLANTIC RAILROAD.

BIG HILL COAL CO., Richland, operates Idamay mine at Idamay. VEIN Beattyville. Thickness 3½ ft. Drift. Machine and pick mine. Daily capacity 500 tons.

LOUISVILLE & NASHVILLE RAILROAD.

RICHARDSON COAL CO., Beattyville, operates Richardson mine at Beattyville. VEIN*. Thickness 3 ft. Incline. Pick mine.

MORGAN COUNTY—County Seat, West Liberty.

MOREHEAD & NORTH FORK RAILROAD.

LEE COAL CO., THE, Clearfield, operates mine No. 1 at Redwine. VEIN Cannel. Thickness 43 in. Drift. Pick mine. Daily capacity 50 tons.

NORTH FORK CANNEL COAL CO., Loveland, operates mines Nos. 1 and 2 at Loveland. VEIN Cannel No. 2. Thickness 35 to 45 in. Drift. Pick mine. (Just developing.) Trade name "Brite-Lite."

OHIO & KENTUCKY RAILWAY.

GISH CANNEL COAL CO., Central City, operates White Oak mine at Caney. VEIN Cannel. Thickness 32 in. Drift. Pick mine. Analysis on file.

KENTUCKY BLOCK CANNEL COAL CO., New York, N. Y., operates mine at Cannel City. VEIN*. Thickness 32 in. Drift. Pick mine. Daily capacity 50 tons. Trade name "Brilliant Gas Enricher." Analysis on file.
Same Company operates mine at Cannel City. VEIN*. Thickness 24 to 28 in. Drift. Machine mine. Daily capacity 300 tons. Trade name "Pluto Cannel." Analysis on file.

MUHLENBURG COUNTY—County Seat, Greenville.

ILLINOIS CENTRAL RAILROAD.

CENTRAL COAL & IRON CO., INC., Central City, operates Central mine at Central City. (Also L. & N. R. R.) VEIN No. 9. Thickness 5 ft. Shaft. Pick mine. Daily capacity 1200 tons.

GIBRALTAR COAL MINING CO., Memphis, Tenn., operates Gibraltar mine at Mercer. VEIN No. 9. Thickness 5 ft. 2 in. Shaft. Machine mine. Daily capacity 750 tons. Trade name "Gibraltar." Analysis on file.

GREENVILLE COAL CO., Powderly, operates Powderly mine at Powderly. VEIN No. 9. Thickness 5 ft. Slope. Machine mine. Daily capacity 800 to 1000 tons. Analysis on file.

HILLSIDE COAL CO., Greenville, operates Hillside and Oakland mines at Hillside. VEIN No. 9. Thickness 5 ft. Shafts. Machine mines. Daily capacity 800 tons.

*NOT REPORTED

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KENTUCKY—Muhlenburg County—I. C. R. R.—(Continued)

MORGAN COAL, COKE & MINING CO., THE R., Mercer, operates Morgan mine No. 1 at Mercer. VEIN No. 9. Thickness 4 ft. 8 in. Shaft. Pick mine. Daily capacity 500 tons. Trade name "Cypress Creek."

NELSON CREEK COAL CO., INC., Nelson, operates Nelson mine at Nelson. VEIN No. 9. Thickness 5 ft. Shaft. Machine mine. Daily capacity 1000 tons.

LOUISVILLE & NASHVILLE RAILROAD.

BEECH CREEK COAL CO., Beech Creek, operates mine No. 9 at Beech Creek. VEIN No. 9. Thickness average 5 ft. Shaft. Machine mine. Daily capacity 500 tons. Analysis on file.
Same Company operates mine No. 11 at Beech Creek. VEIN No. 11. Thickness 8 ft. Drift. Machine mine. Daily capacity 400 tons. Analysis on file.

BEVIER COAL CO., Cleaton, operates Bevier mine at Cleaton. VEIN Western Kentucky No. 9. Thickness 5 ft. 3 in. Shaft. Machine mine. Daily capacity 850 tons

BLACK DIAMOND MINING CO., Drakesboro, operates Pierce mine at Drakesboro. VEIN No. 9. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 600 tons. Trade name "Black Diamond."

CENTRAL COAL & IRON CO., INC., Central City, operates Central mine at Central City. (See I. C. R. R.)

CRESCENT COAL CO., Bevier, operates Crescent mine at Bevier. VEIN No. 9. Thickness 5 ft. 3 in. Shaft. Machine mine. Daily capacity 1200 tons. Trade name "Crescent."

HOLT COAL CO., THE, Central City, operates Holt mine at Cleaton. VEIN No. 9. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1000 tons. Trade name "Holt."

LAM COAL CO., Bevier, operates Lam mine at Bevier. VEIN No. 9. Thickness 5 ft. Drift. Machine mine. Daily capacity 900 tons. Trade name "Lam."

MOODY COAL CO., So. Carrollton, operates Moody mine at So. Carrollton. VEIN No. 9. Thickness 4 ft. 7 in. Shaft. Pick mine. Daily capacity 500 tons.

SUNRISE COAL CO., Dayton, Ohio, operates Sunrise mine at Drakesboro. VEIN No. 11. Thickness 7 ft. Drift. Machine mine. Daily capacity 300 tons. Trade name "Sunrise." Analysis on file.

McLEAN COUNTY—County Seat, Calhoun.

LOUISVILLE & NASHVILLE RAILROAD.

CONSOLIDATED COAL CO., Central City, operates Karnes mine at Island. VEIN No. 15. Thickness 52 in. Drift. Pick mine. Analysis on file.

JEFFREY COAL MINE EQUIPMENTS are selected for Mines where strictly modern and dependable apparatus is required. *Write for* particulars. The Jeffrey Manufacturing *Company, Columbus,* Ohio.

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AUSTIN POWDER COMPANY, Cleveland, Ohio

KENTUCKY—McLean County—L. & N. R. R.—(Continued)

GREEN RIVER COAL & COKE CO., Island, operates Green river mine at Island. VEIN No. 9. Thickness 4 ft. 8 in. Shaft. Pick mine. Daily capacity 800 tons.

MEMPHIS MINING CO., Charleston, W. Va., operates Halstead mine at Island. VEIN No. 9. Thickness 4½ ft. Slope. Pick mine. Daily capacity 350 tons. Analysis on file.

OHIO COUNTY—County Seat, Hartford.
ILLINOIS CENTRAL RAILROAD.

BROADWAY COAL MINING CO., Memphis, Tenn., operates Broadway mine at Simmons. VEIN No. 9. Thickness 4 ft. 10 in. Shaft. Machine mine. Daily capacity 1100 tons. Trade name "Lewis Creek."

CENTRAL COAL & IRON CO., INC., Central City, operates Render mine at Render. VEIN No. 9. Thickness 5 ft. Drift. Machine mine. Daily capacity 700 tons.

McHENRY COAL CO., INC., Central City, operates McHenry mine at McHenry. VEIN No. 9. Thickness 5 ft. Slope. Machine mine. Daily capacity 700 tons.

Same Company operates Echols mine at Echols. VEIN No. 9. Thickness 5 ft. Shaft. Machine mine. Daily capacity 600 tons.

ROCKPORT COAL CO., INC., Rockport, operates Crown mine at Rockport. VEIN No. 9. Thickness 4½ to 5½ ft. Shaft. Machine mine. (Just developing.) Trade name "Crown Coal."

TAYLOR COAL CO. OF KENTUCKY, INC., Louisville, operates Taylor mine at Taylor Mines. VEIN No. 9. Thickness 4 ft. 8 in. to 5 ft. Shaft. Machine mine. Daily capacity 1200 tons.

WILLIAMS COAL CO. INC., Louisville, operates Williams mine at McHenry. VEIN No. 9. Thickness 4 ft. to 4 ft. 8 in. Shaft. Machine mine. Daily capacity 1000 tons.

PIKE COUNTY—County Seat, Pikeville.
CHESAPEAKE & OHIO RAILWAY.

BIG BRANCH COAL CO., Lookout, operates Big Branch mine at Lookout. VEIN Upper Elkhorn. Thickness average 4 ft. Drift. Machine mine. Daily capacity 200 tons. Trade name "Kentucky Smokeless." Analysis on file.

ELKHORN CONSOLIDATED COAL & COKE CO., Hellier, operates mine at Hellier. VEIN Upper Elkhorn. Thickness 4 ft. Drift and Incline. Machine mine. Daily capacity 200 tons. Analysis on file.

GREENOUGH COAL & COKE CO., Shamokin, Pa., operates Greenough mine at Hellier. VEIN Upper Elkhorn. Thickness 4 ft. Drift. Machine mine. Daily capacity 300 tons. Trade name "Greenough."

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KENTUCKY—Pike County—C. & O. Ry.—(Continued)

HENRY CLAY COAL & COKE CO., Lookout, operates Henry Clay mine at Lookout. VEINS Upper and Lower Elkhorn. Thickness 4 ft. Drift and Incline. Pick mine. Daily capacity 250 tons. Analysis on file.

KEWANEE COAL CO., Kewanee, operates Kewanee mine at Kewanee. VEINS Upper and Lower Elkhorn. Thickness 5 and 3½ ft. respectively. Drift. Pick mine. Daily capacity 50 tons. Analysis on file.

LOWE COAL CO., Mossy Bottom, operates Hamlak mine at Hamlak. VEIN*. Thickness 4 ft. Pick mine. Daily capacity 25 tons.

MARROWBONE COAL & COKE CO., Lookout, operates Marrowbone mine at Lookout. VEINS Upper and Lower Elkhorn. Thickness 4 ft. Incline. Pick mine. Daily capacity 300 tons.

PIKE CONSOLIDATED COAL CO., Boston, Mass., operates mine at Hellier. VEIN Elkhorn No. 2. Thickness 4 ft. Drift. Machine mine. Daily capacity 400 tons. Analysis on file.

SHELBYANA COAL & COKE CO., Giatto, W. Va., operates Shelbyana mine at Shelbyana. VEIN No. 1. Thickness 5 ft. Drift and Incline. Pick mine. Daily capacity 50 tons.

NORFOLK & WESTERN RAILWAY.

BURNWELL COAL & COKE CO., Pottsville, Pa. (See W. Va. Data.)

FREEBURN COAL & COKE CO., Edgarton, operates Freeburn and Thacker mines at Freeburn. VEINS Freeburn and Thacker. Thickness average 5 ft. 10 in. Drifts. Machine mines. Daily capacity 900 tons. Trade names "Freeburn" and "Thacker." Analyses on file.

MAJESTIC COLLIERIES CO., Vivian, W. Va., operates Majestic mines Nos. 1, 2 and 3 at Majestic. VEIN Banner. Thickness 7 ft. Drift. Machine mine. Daily capacity 300 tons. Trade name "Majestic Semi Bituminous." Analysis on file.

VULCAN COAL CO., Vulcan, W. Va. (See W. Va. Data.)

PULASKI COUNTY—County Seat, Somerset.

CINCINNATI, NEW ORLEANS & TEXAS PACIFIC RAILROAD

ALPINE COAL CO., THE, Chattanooga, Tenn., operates Alpine mine at Alpine. VEIN No. 2. Thickness 34 in. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

CLINCH COAL & COKE CO., Flat Rock, operates Cogar mine at Wiborg. VEIN No. 1. Thickness 46 in. Drift. Pick mine. Daily capacity 180 tons.

EAGLE COAL CO., THE, Barren Fork, operates Barren Fork mine at Barren Fork. VEIN Barren Fork. Thickness 3 ft. Drift. Pick mine. Daily capacity 400 tons. Trade name "Barren Fork."

*NOT REPORTED

JEFFREY COAL CUTTERS, operated electrically or by compressed air, are fully illustrated and described in Bulletins Nos. 18 and 18A. The Jeffrey Manufacturing Company, Columbus, Ohio.

Brattice Cloth and Wire Rope

Cordage and Tackle Blocks

THE UPSON-WALTON CO.

CLEVELAND, OHIO

KENTUCKY—(Continued)

UNION COUNTY—County Seat, Morganfield.

ILLINOIS CENTRAL RAILROAD.

ALABAMA-KENTUCKY COAL CO., Sturgis, operates Davis mine at Sturgis. VEIN No. 5. Thickness 4 ft. Slope. Machine mine. Daily capacity 350 tons. Analysis on file.

BELL-UNION COAL & COKE CO., Curlew, operates Curlew mine at Curlew. VEIN No. 9. Thickness 5 ft. Slope. Machine mine. Daily capacity 400 tons. Analysis on file.

MORGANFIELD COAL & MINING CO., Morganfield, operates mine at Morganfield. VEIN No. 11. Thickness 4½ to 5 ft. Shaft. Pick mine. Daily capacity 300 tons. Analysis on file.

OHIO VALLEY COAL & MINING CO., De Koven, operates mine No. 9 at De Koven. VEIN No. 9. Thickness 4 ft. 8 in. Slope. Machine mine. Daily capacity 1000 tons.

RIVER & RAIL COAL & COKE CO., Morganfield, operates mine at Morganfield. VEIN No. 11. Thickness 5 ft. Shaft. Machine mine. Daily capacity 500 tons. Trade name "Kentucky Colonel."

SULLIVAN COAL CO., THE, Frostburg, Md., operates Sullivan mine at Sullivan. VEIN No. 6. Thickness 4 ft. Drift. Machine and pick mine. Daily capacity 200 tons. Analysis on file.

THOMAS COAL CO., THE, Morganfield, operates Thomas mine at Morganfield. (Also L. & N. R. R.) VEIN No. 11. Thickness 5 ft. Shaft. Machine and Pick mine. Daily capacity 300 tons. Analysis on file.

WEST KENTUCKY COAL CO., Sturgis, operates mines Nos. 1 and 2 at Sturgis. VEIN No. 9. Thickness 5 ft. Slope and Shaft respectively. Machine mines. Daily capacity 1400 tons. Trade name "Tradewater." Also have tipple on Ohio and Tradewater Rivers.

LOUISVILLE & NASHVILLE RAILROAD.

THOMAS COAL CO., THE, Morganfield, operates Thomas mine at Morganfield. (See I. C. R. R.)

WAYNE COUNTY—County Seat, Monticello.

KENTUCKY & TENNESSEE RAILWAY.

STEARNS COAL CO., LTD., THE, Stearns, operates mine No. 10 at Yamacraw. VEIN No. 1. Thickness 5 ft. Drift. Pick mine. Daily capacity 100 tons. Trade name "Stearns No. 4." Analysis on file.

WEBSTER COUNTY—County Seat, Dixon.

ILLINOIS CENTRAL RAILROAD.

FAIRMONT COAL MINING CO., Providence, operates Fairmont mine at Providence. VEIN No. 9. Thickness 4 ft. 8 in. Slope. Pick mine. Daily capacity 200 tons. Trade name "Aburna." Analysis on file.

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JEFFREY SHORTWALL COAL CUTTERS for room and pillar mining on longwall plan—maximum service with minimum power. Write for descriptive matter. The Jeffrey Manufacturing Company, Columbus, Ohio.

KENTUCKY—Webster County—I. C. R. R.—(Continued)

LUTON COAL CO., Providence, operates Luton's mine at Providence. VEIN No. 9. Thickness 4 ft. 11 in. Slope. Pick mine. Daily capacity 200 tons.

PROVIDENCE MINING CO., Providence, operates Slope No. 1 at Providence. (Also L. & N. R. R.) VEIN No. 9. Thickness 5 ft. Drift. Machine mine. Daily capacity 600 tons. Analysis on file.

Same Company operates Shafts Nos. 2 and 3 at Providence. (Also L. & N. R. R.) VEIN No. 9. Thickness 5 ft. Shafts. Machine and Pick mines. Daily capacity 1300 tons. Analysis on file.

WEBSTER COUNTY COAL CO., Providence, operates mine at Providence. (Also L. & N. R. R.) VEIN No. 11. Thickness 6 ft. Shaft. Pick mine. Daily capacity 600 tons.

WEST KENTUCKY COAL CO., Sturgis, operates mine No. 7 at Brydon. VEIN No. 1. Thickness 7½ ft. Shaft. Machine mine. Daily capacity 2500 tons. Also have tipple on Ohio and Tradewater Rivers.

Same Company operates mine No. 6 at Brydon. VEIN No. 9. Thickness 5 ft. Shaft. Daily capacity 700 tons. Also have tipple on Ohio and Tradewater Rivers.

Same Company operates mines Nos. 3 and 4 at Brydon. VEIN No. 11. Thickness 6½ ft. Drifts. Machine mines. Daily capacity 1100 tons. Also have tipple on Ohio and Tradewater Rivers.

Same Company operates mine No. 5 at Brydon. VEIN No. 11. Thickness 7 ft. Shaft. Machine mine. Daily capacity 600 tons. Also have tipple on Ohio and Tradewater Rivers.

WILLIAMS & PATTERSON, Wheatcroft, operate Logo mine at Wheatcroft. VEIN No. 11. Thickness 5 ft. Slope. Pick mine. Daily capacity 175 tons.

LOUISVILLE & NASHVILLE RAILROAD.

BLACKWELL, THOS. COAL & MINING CO., Clay, operates mine at Clay. VEIN No. 9. Thickness 4 ft. 8 in. Shaft. Machine and Pick mine. Daily capacity 350 tons. Trade name "Celebrated Crab Orchard."

DIAMOND COAL CO., Providence, operates Diamond mine at Providence. VEIN No. 9. Thickness 4 ft. 10 in. Incline. Pick mine. Daily capacity 300 tons. Analysis on file.

PROVIDENCE MINING CO., Providence, operates Slope No. 1 and Shafts Nos. 2 and 3 at Providence. (See I. C. R. R.)

ST. BERNARD MINING CO., Earlington, operates Shamrock mine No. 11 at Providence. VEIN No. 11. Thickness 6½ ft. Shaft. Machine mine. Daily Capacity 700 tons.

SEBREE COAL & MINING CO., Sebree, operates Sebree mine at Sebree. VEIN No. 9. Thickness 4½ to 4 ft. 10 in. Shaft. Pick mine. Daily capacity 500 tons. Trade name "Sterling." Analysis on file.

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Will Handle Your Coal Economically.
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KENTUCKY—Webster County—L. & N. R. R.—(Continued)

WEBSTER COUNTY COAL CO., Providence, operates mine at Providence. (See I. C. R. R.)

WHITLEY COUNTY—County Seat, Williamsburg.

CINCINNATI, NEW ORLEANS & TEXAS PACIFIC RAILROAD.

WEST JELLICO COAL CO., Silverville, operates West Jellico mine at Silverville. VEIN No. 4. Thickness 30 in. Drift. Pick mine. Daily capacity 250 tons. Trade name "West Jellico."

KENTUCKY & TENNESSEE RAILWAY.

STEARNS COAL CO. LTD., THE, Stearns, operates mines Nos. 1 and 2 at Barthell. VEIN No. 2. Thickness 4 ft. Drifts. Pick mines. Daily capacity 700 tons. Trade name "Stearns No. 1." Analyses on file.
Same Company operates mine No. 3 at Worley. VEIN No. 1. Thickness 5 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Stearns No. 3." Analysis on file.
Same Company operates mine No. 4 at Worley. VEIN No. 1. Thickness 5 ft. Machine mine. Daily capacity 500 tons. Trade name "Stearns No. 4." Analysis on file.

LOUISVILLE & NASHVILLE RAILROAD.

BURK HOLLOW COAL CO., THE, Jellico, operates Burk Hollow Blue Gem mine at Jellico. VEIN Jellico Blue Gem. Thickness 20 to 32 in. Drift. Pick mine. Daily capacity 150 tons. Trade name "Blue Gem."

CAMPBELL COAL MINING CO., Atlanta, Ga., operates Banner mines at Coalmont or Williamsburg. VEIN Jellico. Thickness 4 ft. Machine mine. Daily capacity 350 tons. Trade name "Banner." Analysis on file.

COOKE JELLICO COAL CO., Jellico, operates Cooke Jellico mine at Myrlin. VEIN Jellico. Thickness 3½ ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Cooke's Red Ash." Analysis on file.

DOWLAIS BLUE GEM COAL CO., Jellico, Tenn., operates Dowlais mine near Jellico, Tenn. VEIN Blue Gem. Thickness 2 ft. Drift. Pick mine. Daily capacity 100 tons.

ELITE COAL CO., Jellico, operates Elite mine at Elite. VEIN Jellico. Thickness 3 ft. Incline. Pick mine. Daily capacity 150 tons.

FRENCH COAL CO., Halsey, operates mine at Halsey. VEIN Jellico. Thickness 34 to 38 in. Drift. Pick mine. Daily capacity 80 tons. Analysis on file.

GATLIFF COAL CO., Gatliff, operates Gatliff mines Nos. 1 and 2 at Gatliff. VEIN Jellico. Thickness 46 to 48 in. Drifts. Machine mines. Daily capacity 1000 tons. Trade name "Dixie Gem."

JEFFREY ELECTRIC ROTARY DRILL for Coal, Shale, Slate, Clay, etc. Bulletin No. 16 illustrates and describes Drills in operation. Send for it. The Jeffrey Manufacturing Company, Columbus, Ohio.

W. S. & J. S. MANUEL
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KENTUCKY—Whitley County—L. & N. R. R.—(Continued)

HALSEY RED ASH COAL CO., Halsey, operates Vanderpool mine at Halsey. VEIN*. Thickness 30 in. Drift. Machine mine. Daily capacity 500 tons. Analysis on file.
Sams Company operates Anderson mine at Halsey. VEIN Jellico. Thickness 34 in. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

IMPERIAL JELLICO COAL CO., Rockhold, operates mine at Rockhold. VEIN Jellico. Thickness 40 in. Drift. Machine mine. Daily capacity 250 tons. Trade name "Imperial."

JELLICO COAL MINING CO., Knoxville, Tenn., operates Mountain Ash mine at Mountain Ash. VEIN Jellico. Thickness 3½ ft. Drift. Machine mine. Daily capacity 500 tons. Trade name "Mountain Ash." Analysis on file.

MAHAN JELLICO COAL CO., Packard, operates mine at Packard. VEIN Jellico. Thickness 42 in. Drift. Machine mine. Daily capacity 600 tons. Trade name "Dixie Gem."

MAIN JELLICO MOUNTAIN COAL CO., Central City, operates Kensee mines at Kensee. VEIN Jellico. Thickness 39 in. Drift and Incline. Pick mines. Daily capacity 400 tons. Trade name "Kensee."

PLEASANT VIEW JELLICO COAL CO., Pleasant View, operates Croley mine at Pleasant View. VEINS Jellico and Blue Gem. Thickness 38 and 20 to 25 in. respectively. Drift. Pick mine. Daily capacity 150 tons. Trade names "Jellico" and "Blue Gem."

PROCTOR COAL CO., THE, Red Ash, operates Proctor mines at Red Ash (Also Southern Ry.) VEIN Jellico. Thickness 3½ ft. Drift. Pick mine. Daily capacity 800 tons. Trade name "Red Ash, Blue Gem, Jellico." Analysis on file.

WATTS CREEK JELLICO COAL CO., Wofford, operates Watts Creek Jellico mine at Wofford. VEIN Jellico. Thickness 4 ft. Drift. Pick mine. Daily capacity 300 tons.

SOUTHERN RAILWAY.

PROCTOR COAL CO., THE, Red Ash, operates Proctor mines at Red Ash (See L. & N. R. R.)

***NOT REPORTED**

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The Ro[illegible]mpany

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For mine haulage and for gathering are conceded by users generally to be superior in design and more accurate in workmanship than any other make.

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The Jeffrey Manufacturing Company

Columbus, Ohio

1910

MARYLAND

Index of Veins, showing Counties in which they are found.

Vein	County
Bakertown	Allegany—Garrett
Barton	Allegany
Barton Four Foot	Allegany
Big Vein (Pittsburg)	Allegany
Bluebaugh	Allegany
Davis	Allegany
Four Foot	Garrett
Georges Creek Big Vein	Allegany
Georges Creek Tyson	Allegany
Kittanning	Allegany—Garrett
Lower Kittanning	Garrett
Lower Sewickley (Tyson)	Allegany
Miller	Allegany
Parker	Allegany
Pittsburg (Big Vein)	Allegany
Six Foot	Garrett
Thomas	Allegany
Tyson (Lower Sewickley)	Allegany

Cumberland Basin Coal Company
Miners and Shippers of CUMBERLAND COAL
Real Estate Trust Building PHILADELPHIA, PA.

MARYLAND

ALLEGANY COUNTY—County Seat, Cumberland.

CUMBERLAND & PENNSYLVANIA RAILROAD.

AMERICAN COAL CO. of ALLEGANY COUNTY, New York, N. Y., operates the Caledonia mine at Barton. VEIN Tyson. Thickness 5½ to 6 ft. Drift. Pick mine. Daily capacity 250 tons.

AVERY & MORGAN, Frostburg, operates Trotters Run mine at Barrelville. VEINS Parker and Bluebaugh. Thickness 2 ft. and 5 ft. respectively. Drift. Pick mine. Just developing. Analysis on file.

CHAPMAN COAL MINING CO., Baltimore, operates Swanton mines at Barton. VEIN Big Vein. Thickness 12 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Georges Creek Big Vein." Analysis on file.

CONSOLIDATION COAL CO., Inc., THE, Baltimore, operates Consolidation mine No. 1 at Ocean, No. 3 at Hoffman, No. 7 at Lord, and No. 8 at Midland. VEIN Big Vein or Pittsburgh. Thickness 7½ to 9½ ft. Drifts and Slopes. Machine and Pick mines. Daily capacity 7800 tons. Trade name "Georges Creek Big Vein Cumberland." Analysis on file.

Same Company operates Consolidation mine No. 2 at Carlos Junction. VEIN Tyson or Lower Sewickley. Thickness 2 to 3 ft. Drift. Pick mine. Daily capacity 150 tons. Analysis on file.

Same Company operates Consolidation mine No. 4 at Eckhart. VEIN Big Vein or Pittsburgh. Thickness 6½ to 8½ ft. Slope. Pick mine. Daily capacity 300 tons. Trade name "Georges Creek Big Vein Cumberland."

Same Company operates Consolidation mine No. 5 at Midland, No. 6 at Lord, No. 9 at Frostburg, No. 10 at Eckhart, and No. 11 at Hoffman. VEIN Tyson or Sewickley. Thickness 2 to 3½ ft. Drifts, Shafts and Slope. Daily capacity 1500 tons. Analysis on file.

CUMBERLAND BASIN COAL CO., Philadelphia, Pa., operates Parker, Cook and Bond mines at Barrelville. VEINS Parker, Big Vein Georges Creek, and Blubaugh respectively. Drifts. Machine mines. Daily capacity 2500 tons. Trade names "Parker," "Cook," and "Bond." Analysis of Parker Vein on file.

GEORGES CREEK BASIN COAL CO., New York, N. Y., operates Short Gap mine at Frostburg. VEIN Thomas. Thickness 4½ ft. Drift. Machine and Pick mine. Daily capacity 400 tons. Analysis on file.

GEORGES CREEK COAL & IRON CO., Baltimore, operates mines Nos. 1, 12, 13 and 14 at Lonaconing. (Also Georges Creek & Cumberland R. R.) VEIN Pittsburgh. Thickness 10 ft. Drifts. Pick mines. Daily capacity 900 tons. Trade name "Georges Creek Big Vein." Analysis on file.

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FROSTBURG, MARYLAND

MARYLAND—Allegany County—C. & P. R. R.—(Continued)

HITCHENS COAL CO., THE H. & W. A., Frostburg, operates Borden mine at Borden Yard. VEIN Pittsburgh. Thickness 9 to 14 ft. Drift. Pick mine. Daily capacity 250 tons. Trade name "Big Vein." Analysis on file.

MIDLAND MINING CO., Cumberland, operates Trimble mine at Mt. Savage. VEIN Pittsburgh. Thickness 5 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Trimble."
Same Company operates Enterprise mine at Midland. VEIN Big Vein Georges Creek. Thickness 14 ft. Slope. Pick mine. Daily capacity 350 tons.

MOSCOW & GEORGES CREEK MINING CO., Cumberland, operates Moscow mine No. 2 at Moscow. VEIN Bakertown. Thickness 4 ft. Drift. Pick mine. Daily capacity 500 tons.
Same Company operates Moscow mine No. 3 at Moscow. VEIN Georges Creek Big Vein. Thickness 14 ft. Drift. Pick mine. Daily capacity 200 tons.

PHOENIX & GEORGES CREEK MINING CO., Philadelphia, Pa., operates Phoenix and Elkhart mines at Phoenix. VEINS Pittsburgh Big Vein and Barton. Thickness 14 and 4 ft. respectively. Drifts. Pick mines. Daily capacity 450 tons. Trade names "Phoenix" and "Elkhart."

PIEDMONT MINING CO., Baltimore, operates Pekin mine at Pekin. VEIN Pittsburgh Big Vein. Thickness 14 ft. Drift. Pick mine. Daily capacity 250 tons. Trade name "Big Vein Georges Creek." Analysis on file.

PIEDMONT & GEORGES CREEK COAL CO., THE, Frostburg, operates Washington mine No. 1 at Eckhart. VEIN Pittsburg. Thickness 9 to 14 ft. Drift. Pick mine. Daily capacity 250 tons. Trade name "Big Vein." Analysis on file.
Same Company operates Washington mine No. 2 at Eckhart. VEIN Georges Creek Tyson. Thickness 3½ ft. Drift. Pick mine. Daily capacity 700 tons. Trade name "Tyson." Analysis on file.
Same Company operates Washington mines Nos. 3 and 4 at Franklin. VEIN Kittanning. Thickness 6 ft. Drifts. Pick mines. Daily capacity 400 tons. Trade name "Six Foot." Analysis on file.
Same Company operates Washington mine No. 5 at Franklin. VEIN Bakertown or Barton. Thickness 4 ft. Drift. Pick mine. Daily capacity 250 tons. Trade name "Four Foot." Analysis on file.

POTOMAC COAL CO., Baltimore, operates Potomac mine at Barton. VEIN Barton Four Foot. Thickness 32 in. Drift. Pick mine. Daily capacity 200 tons.

SULLIVAN BROS. COAL CO., Eckhart, operates mine at Eckhart. VEIN Pittsburgh. Thickness 8 ft. Slope. Pick mine. Daily capacity 25 tons.

GEORGES CREEK & CUMBERLAND RAILROAD.

GEORGES CREEK COAL & IRON CO., Baltimore, operates mines Nos. 1, 12, 13 and 14 at Lonaconing. (See Cumberland & Pennsylvania R. R.)

JEFFREY CAR HAULS, either Wire Cable or Chain are the most durable and efficient method for the continuous haulage of Mine cars. Send for Bulletin No. 21. The Jeffrey *Manufacturing* Company, Columbus, Ohio.

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MARYLAND—Allegany County—G. C. & C. R. R.—(Continued)

NEW CENTRAL COAL CO., New York, N. Y., operates Koontz and Big Vein mines at Lonaconing. VEIN Big Vein. Thickness 10 ft. Drifts. Pick mines. Daily capacity 600 tons. Trade names "Georges Creek Cumberland." Analysis on file.

WACHOVIA COAL CO., Cumberland, operates Montell mine near Vale Summit. VEIN Davis. Thickness 6 ft. Slope. Machine mine. Daily capacity 100 tons. Analysis on file.

WESTERN MARYLAND RAILROAD.

MARYLAND COAL CO., New York, N. Y., operates Kingsland mine at Lonaconing. VEIN Miller. Thickness 4 ft. Drift. Pick mine. Daily capacity 200 to 300 tons.

GARRETT COUNTY—County Seat, Oakland.

BALTIMORE & OHIO RAILROAD.

PATTISON, G. C., Bloomington, operates Empire mine at Bloomington. VEIN Kittanning. Thickness 6 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Piedmont Smokeless."
Same Company operates Pattison mine at Bloomington. VEIN Bakertown. Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons.

WESTERN MARYLAND RAILROAD.

DAVIS COAL & COKE CO., Baltimore, operates Buxton mine No. 17 at West Virginia Central Junction. VEIN Lower Kittanning. Thickness 5½ ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "Buxton."

GARRETT COUNTY COAL MINING CO., Bethlehem, Pa., operates Dodson mine at Dodson. VEINS Six Foot and Four Foot. Thickness 52 in. Drift. Pick mine. Daily capacity 1000 tons. Trade name "Dodson."

HAMILL COAL & COKE CO., Blaine, W. Va., operates Hamill mine at Miller. VEIN Kittanning. Thickness 5 to 6 ft. Drift. Pick mine. Daily capacity 300 tons. Analysis on file.

MONROE COAL MINING CO., Barnum, W. Va., operates Elk Run mines Nos. 1 and 3 at Barnum. VEIN Lower Kittanning. Thickness 3 ft. and 6 ft. respectively. Drifts. Pick mines. Daily capacity 350 tons.

STOYER RUN COAL CO., Philadelphia, Pa., operates Stoyer mines Nos. 1 and 2 at Stoyer. VEIN*. Thickness*.

THREE FORKS COAL MINING CO., Philadelphia, Pa., operates Three Forks mine at Chaffee, W. Va. VEIN Lower Kittanning. Thickness 6 ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "Jasper." Analysis on file.

*NOT REPORTED

One Goodrich Conveyor Belt Deserves Another

Renewal Orders Come Easily.

The B. F. Goodrich Co. Akron, Ohio

MICHIGAN

Index of Veins, showing Counties in which they are found.

Vein	County
Corunna Block	Shiawassee
Saginaw	Bay—Saginaw—Tuscola
Upper	Bay
What Cheer	Bay

Robert Gage Coal Company
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Miners and Shippers of **St. Charles and Auburn Coal**
BAY CITY, MICH.

MICHIGAN

BAY COUNTY—County Seat, Bay City

GRAND TRUNK RAILWAY

UNITED CITY COAL MINING CO., Bay City, operates United mine at Bay City. VEIN*. Thickness 4 ft. Shaft. Pick mine. Daily capacity 200 tons.

MICHIGAN CENTRAL RAILROAD

BEAVER COAL CO., Bay City, operates Beaver mine at Bay City. VEIN*. Thickness 3 ft. Shaft. Machine and Pick mine. Daily capacity 150 tons.

CONSOLIDATED COAL CO., Saginaw, operates Central mine at Bay City. VEIN Saginaw. Average thickness 3 ft. 6 in. Shaft. Machine and Pick mine. Daily capacity 300 tons. Analysis on file.

CAGE COAL CO., ROBERT, Bay City, operates Robert Cage mine No. 5 at Coryell. VEIN*. Thickness 4½ ft. Shaft. Pick mine. Daily capacity 800 tons.
Same Company operates Robert Cage mine No. 6 at Coryell. VEIN* Thickness 6 ft. Shaft. Pick and Machine mine. Daily capacity 800 tons.

HANDY BROS. MINING CO., Bay City, operates Monitor mine at Bay City, VEIN Saginaw. Average thickness 5 ft. 6 in. Shaft. Pick mine. Daily capacity 700 tons. Trade name "Monitor." Analysis on file.

MICHIGAN COAL CO., Bay City, operates Michigan mine at Bay City. VEIN Upper Vein. Average thickness 3 ft. 6 in. Shaft. Pick mine. Daily capacity 200 tons. Trade name "Michigan White Ash Block."

WOLVERINE COAL CO., Saginaw, operates Wolverine mine No. 2 at Bay City. (Also Pere Marquette.) VEIN Saginaw. Thickness 3 ft. 6 in. Shaft. Pick and Machine mine. Daily capacity 500 tons. Analysis on file.

PERE MARQUETTE RAILROAD

WHAT CHEER COAL MINING CO., Bay City, operates What Cheer mine in Merritt Township. VEIN What Cheer. Thickness*. Shaft. Machine and Pick mine. Daily capacity 1000 tons.

WOLVERINE COAL CO., Saginaw, operates Wolverine mine No. 2 at Bay City. (See Michigan Central.)
Same Company operates Wolverine mine No. 3 at Bay City. VEIN Saginaw. Average thickness 3 ft. 6 in. Shaft. Pick and Machine mine. Daily capacity 1000 tons. Analysis on file.

EATON COUNTY—County Seat, Charlotte

PERE MARQUETTE RAILROAD

GRAND LEDGE COAL CO., Grand Ledge, operates Grand Ledge mine at Grand Ledge. VEIN*. Thickness 20 in. Drift. Pick mine. Small mine.

*NOT REPORTED.

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MICHIGAN, (Continued)

SAGINAW COUNTY—County Seat, Saginaw

MICHIGAN CENTRAL RAILROAD

BLISS COAL CO., THE, Swan Creek, operates Bliss mine No. 1 at Swan Creek. VEIN not classified. Thickness 3 ft. Shaft. Pick mine. Daily capacity 400 tons. Analysis on file.

CONSUMERS COAL CO., Saginaw, operates Consumers mine at Swan Creek. VEIN Saginaw. Thickness 30 in. Shaft. Pick mine. Daily capacity 600 tons.

CAGE COAL CO., ROBERT, Bay City, operates Robert Cage mines Nos. 1, 2 and 3 at St. Charles. VEIN*. Thickness 3 to 3½ ft. Shaft. Pick mine. Daily capacity 1300 tons.

PERE MARQUETTE RAILROAD

CALEDONIA COAL CO., Ltd., Saginaw, W. S., operates Caledonia mine No. 2 at Saginaw, W. S. VEIN No. 2. Thickness 2 ft. 2 in. to 3 ft. 6 in. Shaft. Pick mine. Daily capacity 200 tons. Trade name "Caledonia." Analysis on file.

CONSOLIDATED COAL CO., Saginaw, operates Uncle Henry and Saginaw mines at Saginaw. VEINS Saginaw. Average thickness 3½ ft. Shafts Pick mines. Daily capacity 700 tons. Analyses on file.
Same Company operates Pere Marquette No. 3, Chappell & Fordney No. 2, Shiawassee, Barnard, Riverside and Northern or Jimtown mines at Saginaw. VEINS Saginaw. Average thickness 3½ ft. Shafts. Machine and Pick mines. Daily capacity 2800 tons. Analyses on file.

SHIAWASSEE COUNTY—County Seat, Corunna

ANN ARBOR RAILROAD

NEW HAVEN COAL MINING CO., THE, Owosso, operates mine at West Haven. VEIN*. Thickness 30 to 40 in. Shaft. Pick mine. Daily capacity 500 tons. Analysis on file.

GRAND TRUNK RAILWAY

DETROIT VITRIFIED BRICK COMPANY, Corunna, operates Peak mine at Corunna. VEIN Corunna Block Coal. Average thickness 3 ft. Shaft. Pick mine.

TUSCOLA COUNTY—County Seat, Caro

PERE MARQUETTE RAILROAD

HANDY BROS. MINING CO., Bay City, operates Akron mine at Akron. VEIN Saginaw. Average thickness 4 ft. 10 in. Shaft. Machine and Pick mine. Daily capacity 600 tons. Trade name "Akron." Analysis on file.

***NOT REPORTED.**

JEFFREY COAL TIPPLES are designed and built for a wide range of service and usefulness. Bulletin No. 22 describes Coal Tipples and Shaking Screens. The Jeffrey Manufacturing *Company, Columbus,* Ohio.

OHIO

Index of Veins, showing Counties in which they are found.

Vein	County
No. 1	Jackson—Portage—Stark—Summit—Wayne
No. 2	Jackson—Stark
No. 3	Columbiana—Jefferson—Mahoning
No. 4	Columbiana—Jackson—Lawrence—Scioto—Stark—Vinton
No. 5	Carroll—Jackson—Lawrence—Mahoning—Noble—Stark—Tuscarawas
No. 6	Athens—Carroll—Columbiana—Coshocton—Gallia—Guernsey—Hocking—Jefferson—Lawrence—Morgan—Muskingum—Perry—Stark—Tuscarawas
No. 6½-A	Jefferson
No. 7	Athens—Carroll—Columbiana—Guernsey—Harrison—Morgan—Muskingum—Noble
No. 7-A	Carroll
No. 8	Athens—Belmont—Gallia—Harrison—Jefferson—Meigs
No. 8-C	Belmont
Cannel	Mahoning
Coshocton	Coshocton
Federal Creek	Athens
Hocking	Athens—Hocking—Muskingum—Noble
Massillon	Stark—Wayne
Meigs Creek	Noble
Middle Kittanning	Athens
Newlun	Vinton
Pomeroy	Meigs
Strip Vein	Carroll

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OHIO

ATHENS COUNTY—County Seat, Athens.

BALTIMORE & OHIO SOUTHWESTERN RAILROAD.

CANAAN COAL CO., THE, Canaanville, operates Canaan mine at Canaanville. VEIN Middle Kittanning. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1000 tons. Trade name "Canaan." Analysis on file.

CARBONDALE COAL CO., THE, Chillicothe, operates Carbondale mine No. 2 at Carbondale. VEIN No. 6. Thickness 5½ ft. Incline. Machine mine. Daily capacity 450 tons. Trade name "Semi-Wellston Steam Coal." Analysis on file.

Same Company operates Carbondale mine No. 3 at Carbondale. VEIN No. 6. Thickness 4½ ft. Drift. Machine mine. Daily capacity 300 tons. Trade name "Semi-Wellston Domestic Lump." Analysis on file.
1000 tons.

HOCKING MINING CO., THE, Athens, operates Del Carbo mine at Carbondale. VEIN No. 6. Thickness 5 ft. Slope. Machine mine. Daily capacity

LUHRIG COAL CO., THE, Cincinnati, operates Luhrig mines No. 2 and No. 3 at Luhrig. VEIN Hocking No. 6. Thickness 5½ to 6 ft. Shafts. Machine mines. Daily capacity 2000 tons. Trade name "Luhrig." Analysis on file.

HOCKING VALLEY RAILWAY.

COLUMBUS & HOCKING COAL & IRON CO., Columbus, operates Elk Creek mine at Doanville. VEIN No. 6. Thickness 7 ft. Drift. Machine mine. Daily capacity 1000 tons. Trade name "Elk Creek" Hocking. Analysis on file.

Same Company, operates Sedalia Peacock mine at Doanville. VEIN No. 7. Thickness 6½ ft. Drift. Machine mine. Daily capacity 700 tons. Trade name "Sedalia Peacock." Analysis on file.

IMPERIAL COAL MINING CO., Columbus, operates Elm Rock mine at Doanville. VEIN Hocking (No. 6). Thickness 7 ft. Drift. Machine mine. Daily capacity 1200 tons.

LORAIN COAL & DOCK CO., THE, Columbus, operates Eclipse mine at Hocking. VEIN Hocking. Thickness*. Shaft. Machine mine. Daily capacity 1600 tons. Trade name "Eclipse Hocking."

MAPLE MINING CO., THE, Nelsonville, operates Maple Hill mine at Happy Hollow. VEIN No. 6. Thickness 7 ft. Drift. Machine mine. Daily capacity. 400 tons. Trade name "Maple Hill."

* NOT REPORTED

We Buy and Sell COAL and TIMBER Properties

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OHIO—Athens County—H. V. Ry.—(Continued)

NEW PITTSBURGH COAL CO., THE, Columbus, operates Kittanning mine No. 9 at Beaumont, and New Monarch mine No. 10 at Hocking.. VEIN No. 6. Thickness 6 ft. Shafts. Machine mines. Daily capacity 3400 tons. Trade names "Kittanning" and "New Monarch."

NEW YORK COAL CO., Columbus, operates mines Nos. 31 and 32 at Buchtel. VEIN No. 6. Thickness*. Drifts. Machine mines. Daily capacity 1500 tons. Trade name "Manhattan."

SUNDAY CREEK CO., Columbus, operates mine No. 10X at Orbiston. VEIN No. 6. Thickness 5½ ft. Slope. Machine mine. Daily capacity 1200 tons.
Same Company operates mine No. 201 at Floodwood. VEIN No. 6. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 750 tons.
Same Company operates mines Nos. 203 and 204 at Kimberly. VEIN No. 6. Thickness 5½ and 6 ft. respectively. Drifts. Machine mines. Daily capacity 1450 tons.
Same Company operates mine No. 207 at Nelsonville. VEIN No. 6. Thickness 6 ft. Drift. Machine mine. Daily capacity 1000 tons.
Same Company operates mines Nos. 209, 210, 211 and 212 at Poston. VEIN No. 6. Thickness 6 ft. Shafts. Machine mines. Daily capacity 4300 tons.

YORK CLAY & MINING CO., THE, Nelsonville, operates Half Moon and Sedalia No. 7 mines at Buchtel. Veins Nos. 6 and 7 respectively. Thickness 6 ft. Drifts. Machine mines. Daily capacity 800 tons.

MARIETTA, COLUMBUS & CLEVELAND RAILROAD.

BLACK DIAMOND COAL & COKE CO., THE, Columbus, operates Black Diamond mine at Lathrop. VEIN No. 8. Thickness 8 ft. Drift. Machine mine. Daily capacity 400 tons. Trade name "Black Diamond." Analysis on file.

FEDERAL COAL CO., THE, Marietta, operates Broadwell mine at Broadwell. VEIN Pittsburg No. 8. Thickness 8 ft. Drift. Machine mine. Daily capacity 150 tons.

FEDERAL-HOCKING COAL CO., THE, Columbus, operates Federal Valley mine No. 1 at Broadwell. VEIN Federal Creek. Thickness 8 ft. 8 in. Drift. Machine mine. Daily capacity 200 tons. Trade name "Federal-Hocking."

TOLEDO & OHIO CENTRAL RAILWAY.

CARBON COAL MINING CO., Amesville, operates Carbon mine at Lathrop. VEIN Pittsburg No. 8. Thickness 7 ft. Drift. Machine mine. Daily capacity 200 tons.

HISYLVANIA COAL CO., THE, Columbus, operates Sunday Creek mine No. 23 at Trimble. VEIN Hocking (No. 6). Thickness 6½ ft. Slope. Machine mine. Daily capacity 700 tons. Trade name "Hisylvania." Analysis on file.

* NOT REPORTED

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OHIO—Athens County—T. & O. C. Ry.—(Continued)

NORTHERN FUEL CO., Columbus, operates mine No. 24 at Jacksonville. VEIN No. 6. Thickness 7 ft. Shaft. Machine mine. Daily capacity 1100 tons.

SUNDAY CREEK CO., Columbus, operates mine No. 10 at Mortonville. VEIN No. 6. Thickness 5 ft. Shaft. Machine mine. Daily capacity 850 tons. Same Company operates mines Nos. 254 and 255 at Jacksonville. VEIN No. 6. Thickness 5½ and 6 ft. respectively. Shafts. Machine mines. Daily capacity 2500 tons.
Same Company operates mine No. 267 at Hunterdon. VEIN No. 6. Thickness 6 ft. Slope. Machine mine. Daily capacity 1000 tons.
Same Company operates mines Nos. 256, 275 and 311 at Clouster, Chauncey and Oakdale. VEIN No. 6. Thickness 5½ ft. Shafts. Machine mines. Daily capacity 2700 tons.
Same Company operates mines Nos. 266 and 281 at Hollister and Modoc. VEIN No. 6. Thickness 6 ft. Shafts. Machine mines. Daily capacity 2000 tons.

BELMONT COUNTY—County Seat, St. Clairsville.

BALTIMORE & OHIO RAILROAD.

AKRON COAL CO., THE, Akron, operates Columbia mine at Fairpoint. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 2000 tons. Trade name "Columbia." Analysis on file.

BAKEWELL COAL CO., THE, Bellaire, operates Knob mine at Bellaire. VEIN No. 8 Thickness 6 ft. Drift. Machine mine. Daily capacity 1000 tons.

BELMONT COAL MINING CO., THE, Pittsburgh, Pa., operates Glen mine at Glencoe. VEIN No. 8. Thickness 5½ ft. Slope. Machine mine. Daily capacity 1200 tons. Analysis on file.
Same Company operates Black Diamond mine at Neff. (Also W. & L. E. R. R.) VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 1400 tons. Analysis on file.
Same Company operates Ohio & West Virginia mine at Neff. VEIN No. 8. Thickness 5½ ft. Drift. Pick mine. Daily capacity 500 tons. Analysis on file.

COLBURGH COAL CO., THE, Columbus, operates Media mine at Baileys Mills. VEIN No. 8. Thickness*. Drift. Machine mine. Daily capacity 500 tons.

FLUSHING COAL CO., THE, Elyria, operates Tunnel mine at Flushing. VEIN No. 8-C. Thickness 4 ft. Drift. Machine mine. Daily capacity 300 tons.

GORDON COAL MINING CO., THE, Stewartsville, operates Lucy mine at Stewartsville. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 500 tons.

HARRISON MINING CO. Cleveland, operates Buckeye mine at Flushing. VEIN No. 8. Thickness 4 ft. 3 in. Drift. Machine mine. Daily capacity 500 tons. Trade name "Buckeye."

* NOT REPORTED

HEART OF THE DISTRICT COAL

THE
H. S. ODBERT
Coal Company
Rockefeller Bldg.
CLEVELAND, OHIO

Exclusive Sales Agents
THE HARRISON
MINING CO.

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JEFFREY ELECTRIC LOCOMOTIVES are in the lead because of their simple design, accessible working parts, efficiency and low cost of maintenance. Let us send you Books 15 and 17 describing them.

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Also see page 1

The Jeffrey Manufacturing Company

Columbus, Ohio

1910

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CONNELLSVILLE COKE

Mines located in Ohio, Pennsylvania and West Virginia. General Offices: Rockefeller Bldg., Cleveland, O.

OHIO—Belmont County—B. & O. R. R.—(Continued)

HIGHLAND COAL CO., Wheeling, W. Va., operates Delora mine at Glencoe. VEIN No. 8. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 1600 tons.

HUTCHINSON COAL CO., Fairmont, W. Va., operates Kirkwood mine at Bridgeport. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 1500 tons. Trade name "Kirkwood."

KENNON COAL & MINING CO., THE, Cleveland, operates Kennon mine at Flushing. VEIN No. 8. Thickness 4 ft. 4 in. Drift. Machine mine. Daily capacity 500 tons.

LORAIN COAL & DOCK CO., THE, Columbus, operates Crescent mines Nos. 2 and 3 at Crescent. VEIN No. 8. Thickness*. Drifts. Machine mines. Daily capacity 2600 tons. Trade name "Crescent."
Same Company operates Wheeling Creek mine at Bridgeport. VEIN No. 8. Thickness*. Drift. Machine mine. Daily capacity 2500 tons.
Same Company operates Lansing Mine at Lansing. VEIN No. 8. Thickness*. Drift. Machine mine. Daily capacity 2500 tons.

PITTSBURGH-BELMONT COAL CO., THE, Columbus, operates Pittsburgh-Belmont mines Nos. 1 and 2 at Neff. VEIN No. 8. Thickness 5½ to 6 ft. Drifts. Machine mines. Daily capacity 3500 tons.

PITTSBURGH & OHIO MINING CO., THE, Cleveland, operates The Barton Coal Co's mine at Barton. VEIN No. 8. Thickness 5 to 6 ft. Drift. Machine mine. Daily capacity 1000 tons. Trade name "Taggart."

PURSEGLOVE COAL MINING CO., THE, St. Clairsville, operates Lydia Mine at Maynard. VEIN No. 8. Thickness 6 ft. Drift. Machine mine. Daily capacity 1500 tons.

RAIL & RIVER COAL CO., Pittsburgh, Pa., operates mine No. 6 at Bellaire. VEIN No. 8. Thickness 5½ to 5¾ ft. Slope. Machine mine. Daily capacity 600 tons.

RAVEN COAL CO., Wheeling, W. Va., operates Franklin mine at Stewartsville. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 800 tons.

ST. CLAIR COAL CO., THE, Cleveland, operates St. Clair mine at Flushing. VEIN No. 8. Thickness 5 ft. Shaft. Machine mine. Daily capacity 1200 tons.

SCHICK & CO., M. J., Bellaire, operates Schick's mine at W. Bellaire. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 400 tons.

VIRGINIA HILL COAL CO, THE, Cleveland, operates Virginia Hill mine at Lafferty. VEIN No. 8. Thickness 5ft. Slope. Machine mine. Daily capacity 1500 tons.

WERNER COAL CO., THE, WM. A., Zanesville, operates Cochran mine at Bailey Mills. VEIN No. 8. Thickness 4½ ft. Drift. Machine mine. Daily capacity 600 tons.

*NOT REPORTED

JEFFREY FANS for Mine ventilation, of Centrifugal and Propeller types, are illustrated and described in Bulletin No. 26—send for copy if interested. The Jeffrey Manufacturing Company, Columbus, Ohio.

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Pittsburg, Pa.

OHIO—Belmont County—B. & O. R. R.—(Continued)

YOUGHIOGHENY & OHIO COAL CO., THE, Cleveland, operates Barton, Boggs and Maple Hill mines at Barton. VEIN No. 8. Thickness*. **Same Company** operates Delora and Eleanor mines near Glencoe and Warnock respectively. VEIN No. 8. Thickness*.

BELMONT CENTRAL RAILROAD.

PITTSBURG-BELMONT COAL CO., THE, Columbus, operates Pittsburg-Belmont mine No. 3 at Lafferty. VEIN No. 8. Thickness 5½ ft. Slope. Machine mine. Daily capacity 3000 tons.

CLEVELAND & PITTSBURGH RAILROAD. (PENNA. LINES.)

CAMBRIA MINING CO., THE, Toledo, operates Pultney mine at Bellaire. VEIN No. 8. Thickness 5½ ft. Slope. Machine mine. Daily capacity 1200 tons. Trade name "Pultney."

FORT PITT COAL CO., THE, Pitsburgh, Pa., operates Clifford mine at Dille Station. (P. O. Moundsville, W. Va.) VEIN No. 8. Thickness 6 ft. Slope. Machine mine. Daily capacity 1000 tons. Analysis on file.

GORRELL COAL CO., THE J. W., Alliance, operates Big Run mine at Aults. VEIN No. 8. Thickness 5 ft. 8 in. to 6 ft. 2 in. Slope. Machine mine. Daily capacity 1000 tons.

JOHNSON COAL CO., THE, Bellaire, operates Johnson mine at Pipe Creek. VEIN No. 8. Thickness 5 ft. 8 in. Slope. Machine mine. Daily capacity 700 tons. Trade name "Pipe Creek."

MORGAN, A. J., Bellaire, operates Edgehill mine at Bellaire. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 600 tons. Analysis on file.

PITTSBURGH & CLEVELAND COAL CO., Cleveland, operates Gaylord mines Nos. 1 & 2 at Martins Ferry. VEIN No. 8. Thickness 6 ft. Inclines. Machine mines. Daily capacity 1000 tons. Trade name "Gaylord." (Mine No. 2 under development).

RAIL & RIVER COAL CO., Pitsburgh, Pa., operates mines Nos. 1 & 2 at Bellaire. VEIN No. 8. Thickness 5½ to 5¾ ft. Slopes. Machine mines. Daily capacity 2900 tons.

WEST WHEELING COAL CO., Bridgeport, operates West Wheeling mine at West Wheeling. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 250 tons.

YOUGHIOGHENY & OHIO COAL CO., THE, Cleveland, operates Florence mine near Martins Ferry. VEIN No. 8. Thickness*.

WHEELING & LAKE ERIE RAILROAD.

BELMONT COAL MINING CO., THE, Pittsburgh, Pa., operates the Black Diamond mine at Neff. (See B. & O. R. R.)

PROVIDENT COAL CO., THE, Cleveland, operates Provident mine at St. Clairsville. VEIN No. 8. Thickness*. Shaft. Machine mine. Daily capacity 2000 tons. Trade name "Provident."

ROBY SOMERS COAL CO. Cleveland, operates Lorena mine at St. Clairsville. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 800 tons.

* NOT REPORTED

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OHIO—Belmont County—W. & L. E. R. R.—(Continued)

TROLL COAL MINING CO., THE, St. Clairsville, operates Troll mines Nos. 1, 2 and 3 at Trolls. VEIN No. 8. Thickness 5 ft. 10 in. Drifts. Machine mines. Daily capacity 2000 tons. Analysis on file.

CARROLL COUNTY—County Seat, Carrolton.

BALTIMORE & OHIO RAILROAD.

MAGNOLIA COAL CO., Akron, operates Magnolia mine at Magnolia. VEIN No. 5. Thickness 3 to 5½ ft. Shaft. Machine mine. Daily capacity 350 tons. Trade name "Magnolia."

OHIO MINING & RAILWAY CO., THE, Massillon, operates Lindentree mine at Lindentree. VEIN No. 6. Thickness 4 ft. Slope. Machine mine. Daily capacity 200 tons.

CLEVELAND & PITTSBURGH RAILROAD—(PENNA. LINES).

CARROLL & STORM COAL CO., THE, Cleveland, operates mine at Salineville. VEIN No. 7. Thickness 3 ft. Drift. Machine mine. Daily capacity 150 tons.

STERLING COAL CO., LTD., THE, Cleveland, operates Sterling mine at Salineville. VEIN Strip or No. 7. A. Thickness 3¼ ft. Drift. Machine mine. Daily capacity 600 tons. Trade name "Strip Vein." Analysis on file.
Same Company operates Strip Vein mine near Salineville. VEIN Strip. Thickness 3 ft. Drift. Machine mine. Daily capacity 375 tons.

WHEELING & LAKE ERIE RAILROAD.

LINCOLN COAL MINING CO., THE, Delroy, operates Dorothy mine No. 2 at Delroy. VEIN No. 6. Thickness 4 ft. Slope. Pick mine. Daily capacity 500 tons.

SOMERS MINING CO., Cleveland, operates mine No. 2 at Sherrodsville. VEIN No. 6. Thickness 4 ft. Shaft. Pick mine. Daily capacity 900 tons.

COLUMBIANA COUNTY—County Seat, Lisbon.

CLEVELAND & PITTSBURGH RAILROAD—(PENNA. LINES.)

BIG VEIN COAL CO., THE, Cleveland, operates Garside mine at Salineville. VEIN No. 7. Thickness 5½ to 6 ft. Shaft. Machine mine. Daily capacity 1000 tons. Trade name "Garside."

BUCKEYE CLAY & COAL CO., THE, Cleveland, operates Beech Grove mine at New Salisbury. VEIN No. 3. Thickness 4 ft. Drift. Machine mine. Daily capacity 400 tons. Trade name "Beech Grove."

OHIO & PENNSYLVANIA COAL CO., THE, Cleveland, operates Slope mine at Salineville. VEIN No. 6. Thickness 4½ ft. Slope. Machine mine. Daily capacity 700 tons. Trade name "Salineville."

STRABLEY, JAMES S., Salineville, operates Strabley's mine at Salineville. VEIN No. 6. Thickness 4½ to 6 ft. Drift. Machine mine. Daily capacity 300 tons.

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OHIO—Columbiana County — (Continued)

ERIE RAILROAD.

CARD & PROSSER COAL CO., Cleveland, operates Peerless mine at Salem. (Also Y. & O. R. R.) VEIN No. 3. Thickness 3 ft. 10 in. Slope. Pick mine. Daily capacity 250 tons. Trade name "Peerless."
Same Company operates mine No 4 at Lisbon. VEIN No. 7. Thickness 8 ft. Drift. Machine mine. Daily capacity 200 tons.
Same Company operates West Pittsburgh mine at Teegarden. VEIN No. 3. Thickness 3 ft. 10 in. Shaft. Machine mine. Daily capacity 500 tons. Trade name "West Pittsburgh."

PITTSBURGH, FORT WAYNE & CHICAGO RAILWAY. (PENNA LINES.)

BUCK COAL CO., THE, Salem, operates Buck mine at Salem. VEIN No. 3. Thickness 3½ ft. Shaft. Machine and Pick mine. Daily capacity 150 tons.

FAIRFIELD COAL CO., THE, Cleveland, operates Fairfield mine at New Waterford. VEIN No. 6. Thickness 4 ft. Drift. Pick mine. Daily capacity 700 tons.

PROSPECT HILL COAL CO., THE, East Palestine, operates Prospect Hill mines Nos. 1 and 2 at East Palestine. VEIN No. 6. Thickness 3½ ft. No. 1 Slope and No. 2 Drift. Machine and Pick mines. Daily capacity 400 tons.

STATE LINE COAL CO., THE, Cleveland, operates State Line mine at East Palestine. VEIN No. 6. Thickness 4 ft. Slope. Pick mine. Daily capacity 800 tons.

STERLING COAL CO., Ltd., THE, Cleveland, operates Delmore mine at Leetonia. VEIN No. 3. Thickness 3½ ft. Slope. Pick mine. (Installing machines.) Daily capacity 300 tons. Analysis on file.

PITTSBURGH, LISBON & WESTERN RAILROAD.

HERRIOTT COAL CO., THE, Negley, operates Elk Run mine at Newhouse. VEIN No. 6. Thickness 3½ ft. Drift. Machine mine. Daily capacity 300 tons. Analysis on file.

NEGLEY COAL CO., THE, Negley, operates Pleasant Valley mine at Negley. VEINS Nos. 6 and 7. Thickness 3 ft. Drift. Pick mine. Daily capacity 100 tons. Trade name "Negley."

YOUNGSTOWN & OHIO RIVER RAILROAD.

CARD & PROSSER COAL CO., Cleveland, operates Peerless mine at Salem. (See Erie R. R.)

SALEM CO., THE, Salem, operates Salem mine at Salem. VEIN*. Thickness 3½ ft. Drift. Machine mine. Daily capacity 400 tons. Trade name 'Salem." Analysis on file.

SMITH COAL CO., J. D., Washingtonville, operates Everage mine at Washingtonville. VEIN No. 4. Thickness 2½ ft. Drift. Pick mine. Daily capacity 25 tons.

*NOT REPORTED

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OHIO—(Continued)

COSHOCTON COUNTY—County Seat, Coshocton.

PITTSBURGH, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY.—(PENNA. LINES.)

COLUMBUS COAL & MINING CO., THE, Coshocton, operates Franklin mine at Franklin Station. VEIN No. 6. Thickness 3 ft. 8 in. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

DAVIS, DAVID, Conesville, operates Conesville mine at Conesville. VEIN No. 6. Thickness 3 ft. 8 in to 4 ft. Drift. Machine mine. Daily capacity 400 tons.

MORGAN RUN COAL & MINING CO., Cleveland, operates Morgan Run mine at Coshocton. (Also W. & L. E. R. R.) VEIN No. 6. Thickness 3 to 4 ft. Drift. Pick mine. Daily capacity 400 tons. Trade name "Morgan Run."

ODEN VALLEY COAL CO., THE, Coshocton, operates Oden Valley mine at Coshocton. VEIN No. 6. Thickness 3½ ft. to 4 ft. 2 in. Drift. Pick mine. Daily capacity 125 tons. Trade name "Oden Valley." Analysis on file.

WADE COAL CO., THE, Cleveland, operates Perkins mine at Coshocton. (Also W. & L. E. R. R.) VEIN No. 6. Thickness 3 to 4 ft. Drift. Pick mine. Daily capacity 200 tons.

WHEELING & LAKE ERIE RAILROAD.

BARNES COAL & MINING CO., THE, Coshocton, operates Best mines Nos. 1 and 2 near Conesville. VEIN No. 6. Thickness 4 ft. Drifts. Machine mines. Daily capacity 450 tons. Analysis on file.

DRAKE COAL CO., THE, Cleveland, operates Warwick mine at Coshocton. VEIN Coshocton. Thickness 4 ft. Drift. Machine mine. Daily capacity 600 tons. Trade name "Warwick."

LOCUST GROVE COAL CO., THE, Cleveland, operates Locust Grove mine at Coshocton. VEIN No. 6. Thickness 4 ft. 8 in. Drift. Pick mine. Daily capacity 200 tons. Trade name "Locust Grove."

MORGAN RUN COAL & MINING CO., Cleveland, operates Morgan Run mine at Coshocton. (See P. C. C. & St. L. R. R.)

WADE COAL CO., THE, Cleveland, operates Perkins mine at Coshocton. (See P. C. C. & St. L. R. R.)

GALLIA COUNTY—County Seat, Gallipolis.

CINCINNATI, HAMILTON & DAYTON RAILWAY.

BLACK DIAMOND COAL CO., THE, Gallia, operates Black Diamond mine at Gallia. VEIN No. 6. Thickness 3½ ft. Slope. Pick mine. Daily capacity 100 tons.

HOCKING VALLEY RAILWAY.

RIVERSIDE COAL CO., Columbus, operates Carls mine at Carlton. VEIN No. 8. Thickness 4½ ft. Drift and Incline. Pick mine. Daily capacity 150 tons. Trade name "Pomeroy."

The H. S. Odbert Coal Company
Rockefeller Building

HEART OF THE DISTRICT COAL

Exclusive Sales Agents
THE Locust Grove Coal Company
Cleveland, Ohio

The Baltimore & Ohio Coal Company
COLUMBUS, OHIO
EXCLUSIVE SALES AGENTS
The Forsythe Coal Company

OHIO—(Continued)

GUERNSEY COUNTY—County Seat, Cambridge.

BALTIMORE & OHIO RAILROAD.

AKRON COAL CO., THE, Akron, operates Murry Hill mine at Cambridge. VEIN No. 7. Thickness 5½ ft. Slope. Machine mine. Daily capacity 1000 tons. Analysis on file.

CAMBRIDGE COLLIERIES CO., THE, Cleveland, operates Blue Bell mine at Opperman. VEIN No. 7. Thickness*. Shaft. Machine mine.
Same Company operates Hartford mine at Buffalo. VEIN No. 7. Thickness*. Shaft. Machine mine.

FEDERAL FUEL & MINING CO., THE, Toledo, operates Leatherwood mines Nos. 1 and 2 at Leatherwood Station. VEIN No. 7. Thickness 5 to 6 ft. Drift and Slope. Machine mines. Daily capacity 1200 tons.

FORSYTHE COAL CO., THE, Cambridge, operates Forsythe mine at Cambridge. VEIN No. 7. Thickness 6 ft. Slope. Machine mine. Daily capacity 1800 tons.

LOOMIS-MOSS COAL CO., THE, Akron, operates Klondyke mine at Kipling. VEIN No. 7. Thickness 6 ft. Slope. Machine mine. Daily capacity 2000 tons. Trade name "Klondyke Gas." Analysis on file.

MORRIS COAL CO., THE, Cleveland, operates Kings, Black Top and Old Orchard mines at Cambridge. VEIN No. 7. Thickness 5½ to 6 ft. Shafts and Drifts. Machine mines. Daily capacity 3300 tons.

NATIONAL COAL CO., THE, Cleveland, operates Little Kate mine No. 2 at Helena. VEIN No. 7. Thickness 6 ft. Slope. Machine mine. Daily capacity 3000 tons. Trade name "Little Kate." Analysis on file.

CLEVELAND & MARIETTA RAILWAY—(PENNA. LINES.)

BYESVILLE COAL CO., THE, Cambridge, operates Little Trail Run mine at Byesville. VEIN No. 7. Thickness 5 ft. 4 in. Machine mine. Daily capacity 450 tons. Trade name "Little Trail Run."

CAMBRIDGE COLLIERIES CO., THE, Cleveland, operates Detroit mine at Ava. VEIN No. 7. Thickness*. Shaft. Machine mine.
Same Company operates Trail Run mines Nos. 1 and 2, and Ideal mine at Byesville. VEIN No. 7. Thickness*. Shafts. Machine mines.
Same Company operates Walhounding mine No. 2 at Pleasant City. VEIN No. 7. Thickness*. Shaft. Machine mine.
Same Company operates Midway mine at Byesville. VEIN No. 7. Thickness*. Slope. Machine mine.

CLINTON COAL & MINING CO., THE, Cambridge, operates West Branch mine at Byesville. VEIN No. 7. Thickness 5 ft. Slope. Machine mine. Daily capacity 400 tons.

CONSOLIDATED OHIO COAL CO., Toledo, operates Indian Camp and Union mines at Birds Run. VEIN No. 6. Thickness 3½ ft. Drifts. Machine mines. Daily capacity 500 tons. Analysis on file.

*NOT REPORTED

THE W. BINGHAM COMPANY
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C. & M.

OHIO—Guernsey County—B. & O. R. R.—(Continued)

DOMESTIC COAL CO., THE, Cambridge, operates Red Oak mine at Cambridge. VEIN No. 7. Thickness 5 ft. Drift. Machine mine. Daily capacity 150 tons.

IMPERIAL MINING CO., THE, Chicago, Ill., operates Imperial mine at Derwent. VEIN*. Thickness*. Shaft. Machine mine. Daily capacity 1500 tons.

NATIONAL COAL CO., THE, Cleveland, operates Little Kate mine at Byesville. VEIN No. 7. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1600 tons. Trade name "Little Kate." Analysis on file.
Same Company operates Minnehaha mine at Marysville. VEIN No. 7. Thickness 6 ft. Slope. Machine mine. Daily capacity 3000 tons. Trade name "Litle Kate." Analysis on file.

PURITAN COAL CO., THE, Cambridge, operates Puritan mine at Cambridge. VEIN No. 7. Thicknes 6 ft. Shaft. Machine mine. Daily capacity 900 tons. Trade name "White Ash."

VIVIAN COLLIERIES CO., Chicago, Ill., operates Ohio mine No. 1 at Byesville. VEIN*. Thickness*. Drift. Pick mine. Daily capacity 250 tons. **Same Company** operates Ohio mine No. 2 at Byesville. VEIN*. Thickness*. Shaft. Machine mine. Daily capacity 900 tons.

HARRISON COUNTY—County Seat, Cadiz.

LAKE ERIE, ALIANCE & WHEELING RAILROAD.

PITTSBURGH BLOCK COAL CO., Pittsburgh, Pa., operates Ewing mine No. 2 at Hopedale VEIN No. 8. Thickness 5½ ft. Drift. Pick mine. Analysis on file.

PITTSBURGH, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY.—(PENNA. LINES.)

NEWTON COAL & MINING CO., THE, Dennison, operates Newton mine at Philadelphia Roads. VEIN No. 7. Thickness 4½ ft. Slope. Machine mine. Daily capacity 500 tons. Trade name "Newton Erie."

WHEELING & LAKE ERIE RAILROAD.

BLAIR MINING CO., A. G., THE, Toledo, operates Majestic mine at Blairmont. VEIN No. 8. Thickness 5 ft. 4 in. Drift. Machine mine. Daily capacity 700 tons. Trade name "Majestic."

ROBY COAL CO., Cleveland, operates mine No. 1 at Adena. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 2000 tons.

WEST MINING CO., THE, Cleveland, operates Adena mine at Adena. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily Capacity 500 tons.

* NOT REPORTED

THE ROSE COAL COMPANY, CLEVELAND, OHIO

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OHIO—(Continued)

HOCKING COUNTY—County Seat, Logan.

HOCKING VALLEY RAILWAY.

CARBON COAL CO., THE, Sand Run, operates mine No. 1 at Sand Run. VEIN No. 6. Thickness 4 to 6 ft. Drift. Machine mine. Daily capacity 200 tons.

CARBON HILL MINING CO., Carbon Hill, operates Stalter mine No. 2 at Longstreth. VEIN Hocking No. 6. Thickness 7 ft. Drift and Incline. Machine mine. Daily capacity 120 tons.

COLUMBUS & HOCKING COAL & IRON CO., Columbus, operates mines Nos. 11, 107, 35 and 49 at New Straitsville, and Nos. 53 and 105 at Buchtel. VEIN No. 6. Thickness 8 ft. Drifts. Pick mines. Daily capacity 1200 tons each. Trade name "Hocking." Analysis on file.

ESSEX COAL CO., THE, New Straitsville, operates Yellow Jacket mine at Coalgate. VEIN No. 6. Thickness 6 to 10 ft. Drift. Machine mine. Daily capacity 1500 tons. Trade name "Esco Hocking."

GEM COAL CO., THE, Nelsonville, operates Gem mine at Fast Run. VEIN No. 6. Thickness 10 ft. Drift. Machine mine. Daily capacity 400 tons. Trade name "Gem."

HOCKING FUEL CO., THE, Columbus, operates Copper Head mine at Gore. VEIN No. 6. Thickness 9 ft. Incline. Machine mine. Daily capacity 300 tons.

KRAMER BROS. COAL CO., New Straitsville, operates Butterfly mine at Paynes Crossing. VEIN No. 6. Thickness 11 ft. Incline. Pick mine. Daily capacity 50 tons.

NEW PITTSBURGH COAL CO., THE, Columbus, operates Powells Run mine No. 1 at New Pittsburgh; Greendale mine No. 5 and Murray City mine No. 7 at Murray City. VEIN No. 6. Thickness 6 ft. Drifts. Machine and Pick mines. Daily capacity 5000 tons. Trade names "Powells Run," "Greendale" and "Murray City."

NEW YORK COAL CO., Columbus, operates mine No. 33 at Orbiston. VEIN No. 7. Thickness 5 ft. Drift. Daily capacity 500 tons. Trade name "Knickerbocker."

ROYAL COAL CO., THE, Nelsonville, operates Royal mine No. 19 at Carbon Hill. VEIN No. 6. Thickness 6 ft. 4 in. Incline. Pick mine. Daily capacity 185 tons.

STALTER COAL CO., R., Columbus, operates Stalter mine at Carbon Hill. VEIN No. 6. Thickness 6 to 7 ft. Drift. Machine mine. Daily capacity 400 tons.

SUNDAY CREEK CO., Columbus, operates mines Nos. 1 and 2 at Jobs. VEIN No. 6. Thickness 6 ft. Drifts. Machine mines. Daily capacity 1500 tons.

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CORDAGE, WIRE ROPE,
TACKLE BLOCKS
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Manufacturers of
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Dealers in
Fuse, Caps and Blasting Supplies

CLEVELAND **OHIO**

OHIO—(Continued)

JACKSON COUNTY—County Seat, Jackson.

BALTIMORE & OHIO RAILROAD.

HOLBERG, HENRY, Jackson, operates Holberg mine at Holberg Farm. (Also D. T. & I. Ry.) VEIN No. 2. Thickness 2½ ft. Drift. Pick mine. Daily capacity 50 tons. Analysis on file.

BALTIMORE & OHIO SOUTHWESTERN RAILROAD.

SUPERIOR COAL COMPANY, Jackson, operates mine No. 3 at Wellston. (Also C. H. & D. Ry.) VEIN No. 2. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 400 tons. Trade name "Wellston Shaft." Analysis on file.

WARD COAL CO., Oak Hill, operates Evans mine at Oak Hill. VEIN No. 5. Thickness 3½ ft. Drift. Pick mine. Daily capacity 65 tons.

CINCINNATI, HAMILTON & DAYTON RAILWAY.

ELKHORN COAL CO., THE, Jackson, operates Elkhorn mine at Madison. VEIN No. 4. Thickness 4 ft. Drift. Pick mine. Daily capacity 100 tons.

HARPER COAL CO., THE, Coalton, operates Harper mine at Coalton. (Also D. T. & I. Ry.) VEIN No. 2. Thickness 2 ft. 10 in. Slope. Pick mine. Daily capacity 150 tons. Analysis on file.

JONES & MORGAN, Jackson, operates mine No. 3 at Glen Roy. (Also D. T. & I. Ry.) VEIN No. 2. Thickness 3 to 3½ ft. Slope. Machine and Pick mine. Daily capacity 80 to 100 tons.

REMPLE FUEL CO., Remple, operates McKitterick mine at Remple. VEIN Jackson No. 5. Thickness 3½ ft. Drift. Pick mine. Daily capacity 175 tons. Trade name "Jackson."

SUPERIOR COAL CO., Jackson, operates mine No. 4 at Wellston. VEIN No. 2. Thickness 3 to 4 ft. Shaft. Pick mine. Daily capacity 600 tons. Trade name "Wellston Shaft." Analysis on file.

Same Company operates Superior mine No. 9 at Wellston. VEIN No. 2. Thickness 4½ ft. Shaft. Machine mine. Daily capacity 1000 tons. Trade name "Wellston Shaft Machine."

Same Company operates Superior mines Nos. 10 and 11 at Wellston. VEINS Nos. 4 and 5. Thickness 4 to 5 ft. Drifts and Slopes. Machine mines. Daily capacity 2500 tons. Trade name "Wellston Four & Five."

Same Company operates mine No. 3 at Wellston. (See B. & O. S. W. R. R.)

TOM CORWIN COAL CO., THE, Dayton, operates Tom Corwin mine No. 1 at Glen Roy. (Also D. T. & I. Ry.) VEIN No. 2. Thickness about 34 in. Shaft. Pick mine. Daily capacity 150 tons. Trade name "Tom Corwin."

CINCINNATI & MUSKINGUM VALLEY RAILWAY.
(PENNA. LINES.)

GOSLINE & CO., W. A., Toledo, operates Price mine at Jackson. VEIN No. 2 Thickness 3 ft. Drift. Pick mine. Daily capacity 200 tons.

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OHIO—Jackson County—C. & M. V. Ry.—(Continued)

DETROIT, TOLEDO & IRONTON RAILWAY.

CHAPMAN COAL CO., THE, Jackson, operates Grace mine near Jackson. VEIN No. 2. Thickness 2 ft. 4 in. to 3 ft. Shaft. Machine mine. Daily capacity 400 tons. Trade name "Grace-Jackson Hill."
Same Company operates Chapman mine near Jackson. VEIN No. 2. Thickness 2 ft. 4 in. to 3 ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "Chapman Jackson Hill."
Same Company operates Springfield mine near Jackson. VEIN No. 2. Thickness 2 ft. 4 in. to 3 ft. Shaft. Machine and Pick mine. Daily capacity 350 tons. Trade name "Springfield." Analysis on file.

COCHRAN COAL CO., THE, Jackson, operates Cochran mine at Jackson. VEIN No. 2. Thickness 3½ ft. Drift. Pick mine. Daily capacity 150 tons. Analysis on file.

DEWITTE COAL CO., Wellston, operates DeWitte mine at Wellston. VEIN No. 5. Thickness 3 ft. 2 in. Drift. Pick mine. Daily capacity 150 tons.

DOMESTIS COAL CO., THE, Wellston, operates Domestis mine at Wellston. VEIN No. 2. Thickness 3½ ft. Shaft. Machine mine. Daily capacity 600 tons. Analysis on file.

HARPER COAL CO., THE, Coalton, operates Harper mine at Coalton. (See C. H. & D. Ry.)

HOLBERG, HENRY, Jackson, operates Holberg mine at Holberg Farm. (See B. & O. R. R.)

JONES & MORGAN, Jackson, operates mine No. 3 at Glen Roy. (See C. H. & D. Ry.)

KESSLER COAL CO., THE, Wellston, operates McKinley mine at Cornelia. VEIN Jackson No. 4. Thickness 4½ ft. Drift. Pick mine. Daily capacity 150 tons. Trade name "McKinley."

MONITOR COAL CO., Wellston, operates Monitor mine at Wellston. VEIN No. 4. Thickness 4½ ft. Drift. Pick mine. Daily capacity 120 tons.

STAR FURNACE CO., Jackson, operates Star mine No. 4 at Jackson. VEIN No. 1. Thickness 3½ ft. Drift. Pick mine. Daily capacity 120 tons.

SUN COAL CO., THE, Jackson, operates Black Pearl mine at Jackson. VEIN No. 2. Thickness 2 ft. 8 in. Drift. Pick mine. Daily capacity 200 tons.

SUPERIOR COAL CO., Jackson, operates Superior mine No. 12 at Wellston. VEIN No. 2. Thickness 3 ft. Shaft. Machine mine. Daily capacity 350 tons. Trade name "Wellston Shaft Machine." Analysis on file.
Same Company operates mine No. 1 at Wellston. VEIN No. 2. Thickness 4 ft. Shaft. Pick mine. Daily capacity 200 tons. Trade name "Wellston Shaft." Analysis on file.

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OHIO—Jackson County—D. T. & I. Ry.—(Continued)

TOM CORWIN COAL CO., THE, Dayton, operates Tom Corwin mine No. 1 at Glen Roy. (See C. H. & D. Ry.)

HOCKING VALLEY RAIWAY.

McDONALD, S. S., Columbus, operates Clarion mine at Clarion. VEIN No. 4. Thickness 4½ ft. Slope. Machine mine. Daily capacity 300 tons. Trade name "Clarion." Analysis on file.

JEFFERSON COUNTY—County Seat, Steubenville.

CLEVELAND & PITTSBURGH RAILROAD—(PENNA. LINES.)

BLYTH-ELDER COAL CO., Pittsburgh, Pa., operates Jean mine at Salt Run. VEIN No. 8. Thickness 5 ft. Incline. Machine mine. Daily capacity 600 tons.

GLENS RUN COAL CO, THE, Cleveland, operates Rush Run mines Nos. 1, 2 and 3, at Rush Run. VEIN No. 8. Thickness 5 ft. Inclines. Machine mines. Daily capacity 2,000 tons. Analysis on file.

OHIO & PENNSYLVANIA COAL CO., THE, Cleveland, operates Walnut Hill mine at Yorkville. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 900 tons.

RUSSELL COAL & MINING CO., THE, Cleveland, operates Russell mine at Tiltonville. VEIN No. 8. Thickness 5 ft. 3 in. Incline. Machine mine. Daily capacity 800 tons. Trade name "Crawford Hill." Analysis on file.

SHANNON COAL CO., Wheeling, W. Va., operates Kelly mine at Rayland. VEIN No. 8. Thickness 5 ft. 4 in. Drift. Machine mine. Daily capacity 800 tons. Trade name "Shannon Run."

SMITH, W. E., Wellsville, operates Diamond mine at Yellow Creek. VEIN No. 3. Thickness 3½ ft. Slope. Machine mine. Daily capacity 75 tons.

UNITED STATES COAL CO., THE, Cleveland, operates Plum Run mine at Rhodesdale. VEIN No. 8. Thickness 5 ft. Drift. Machine mine. Daily capacity 2500 tons. Trade name "Crow Hollow."

DILLONVALE & SMITHFIELD RAILROAD

UNITED STATES COAL CO., THE, Cleveland, operates Bradley mine at Bradley. (Also W. & L. E. R. R. and L. E. A. & W. R. R.) VEIN No. 8. Thickness 5 ft. Drift. Machine mine. Daily capacity 2500 tons. Trade name. "Crow Hollow."

LAKE ERIE, ALLIANCE & WHEELING RAILROAD.

BERGHOLZ COAL CO., THE, Bergholz, operates XL mine at Bergholz. VEIN 6½ A. Thickness 3 ft. 2 in. Slope. Machine mine. Daily capacity 600 tons. W. H. Warren & Co., Cleveland, Exclusive Sales Agents.

JEFFERSON COAL CO., THE, Cleveland, operates Piney Fork mines Nos. 1, 2, 3 and 4 at Piney Fork. VEIN No. 8. Thickness 5½ ft. Slopes. Machine mines. Daily capacity 4500 tons. Trade name "Piney Fork."

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CLEVELAND, OHIO

OHIO—Jefferson County—L. E. A. W. R. R.—(Continued)

OHIO & PENNSYLVANIA COAL CO., THE, Cleveland, operates Zerbe mine at Amsterdam. VEIN No. 6. Thickness 5 ft. Shaft. Machine mine. Daily capacity 1500 tons. Trade name "Zerbe."

RICE COAL CO., THE, Cleveland, operates Rice mine at Bergholz. VEIN No. 6. Thickness 5 ft. Slope. Machine mine. Daily capacity 1500 tons. Trade name "Rice or West Pittsburgh."

UNITED STATES COAL CO., THE, Cleveland, operates Bradley mine at Bradley. (See D. & S. R. R.)

WITCH HAZEL COAL CO., THE, Youngstown, operates Florence mine at Florencedale. VEIN No. 8. Thickness 5 ft. Drift. Machine mine. Daily capacity 500 tons. Trade name "Spooky Ridge." Analysis on file.

WOLF RUN COAL CO., THE, Cleveland, operates Elizabeth mine at Wolf Run. VEIN No. 6. Thickness 4 to 5 ft. Shaft. Machine mine. Daily capacity 1200 tons. Trade name "Wolf Run." Analysis on file. W. H. Warner & Co., Cleveland, Exclusive Sales agents.

YOUGHIOGHENY & OHIO COAL CO., THE, Cleveland, operates Amsterdam mine at Amsterdam. VEIN No. 6. Thickness*.

WABASH, PITTSBURGH TERMINAL RAILWAY.

WABASH COAL CO., Cleveland, operates Wabash mine at Parlett. VEIN No. 8. Thickness 5 ft. Slope. Pick mine. Daily capacity 800 tons. Trade name "Wabash."

WHEELING & LAKE ERIE RAILROAD.

GLENS RUN COAL CO., THE, Cleveland, operates Edgar mines Nos. 1 and 2 at Dillonvale. VEIN No. 8. Thickness 5½ ft. Inclines. Machine mines. Daily capacity 1800 tons. Analysis on file.

MORRIS-POSTON COAL CO., THE, Cleveland, operates Dunglen mine at Dunglen. VEIN No. 8. Thickness 6 ft. Incline. Machine mine. Daily capacity 1200 tons.

ROBY COAL CO., Cleveland, operates mine No. 2 at Ramsey. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 3000 tons.

UNITED STATES COAL CO., THE, Cleveland, operates Bradley mine at Bradley. (See D. & S. R. R.)

WHEELING & LAKE ERIE COAL MINING CO., THE, Cleveland, operates Dillon mines Nos. 2, 3 and 4 at Dillonvale, Connorville and Herrick respectively. VEIN No. 8. Thickness 5½ ft. Inclines. Machine and Pick mines. Daily capacity 4000 tons. Trade name "Dillon."

LAWRENCE COUNTY—County Seat, Ironton.

BALTIMORE & OHIO SOUTHWESTERN RAILROAD.

BLACK FORK CO., THE, Blackfork, operates Blackfork mine No. 6 at Blackfork. VEIN No. 6. Thickness 2 ft. 4 in. Drift. Pick mine. Daily capacity 60 tons. Analysis on file.

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OHIO—Lawrence County—B. & O. S. W. R. R.—(Continued)

Same Company operates Clarion mine No. 4 at Blackfork. VEIN No. 4. Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.
Same Company operates Irish Hollow mine at Blackfork. VEIN No. 5. Thickness 3 ft. 2 in. Drift. Machine mine. Daily capacity 300 tons. Analysis on file.
Same Company operates Fienup mine No. 5 at Blackfork. VEIN No. 5. Thickness 3 ft. Drift. Pick mine. Daily capacity 50 tons.

CINCINNATI, HAMILTON & DAYTON RAILWAY.

BUCKHORN COAL CO., THE, Buckhorn, operates Buckhorn mine at Buckhorn. VEIN No. 5. Thickness 4 ft. Drift. Pick mine. Daily capacity 150 tons.

HALL COAL CO., THE JOHN F., Dayton, operates Hall mine at Jep. VEIN No. 5. Thickness 3½ ft. Drift. Pick mine. Daily capacity 225 tons. Trade name "Jackson."

DETROIT, TOLEDO & IRONTON RAILWAY.

GINN COMPANY, THE, Ironton, operates Red Devil mines Nos. 1 and 2 at LaGrange Station. VEIN No. 5. Thickness 3½ ft. Drifts. Pick mines. Daily capacity 150 tons. Trade name "Red Devil." Analysis on file.
Same Company operates mines Nos. 2 and 3 at Etna Station. VEIN No. 5. Thickness 3 ft. 11 in. to 4 ft. 8 in. Drifts. Pick mines. Daily capacity 425 tons. Trade name "Etna."

HALLEY COAL CO., THE, Pedro, operates mine No. 1 at Pedro. VEIN No. 5. Thickness 4½ ft. Drift. Pick mine. Daily capacity 75 tons. Trade name "Etna."

MAHONING COUNTY—County Seat, Youngstown.
ERIE RAILROAD.

MAHONING & LAKE ERIE COAL CO., THE, Cleveland, operates Fisk mine at Loveland. VEIN Cannel. Thickness 4 ft. 3 in. Slope. Machine and Pick mine. Daily capacity 300 tons. Trade name "Old Hickory."

STERLING COAL CO., Ltd., THE, Cleveland, operates Fairview mine No. 3 at Washingtonville. VEIN No. 3. Thickness 3 ft. 8 in. Slope. Machine and Pick mine. Daily capacity 300 tons. Trade name "Fairview No. 3." Analysis on file.

PITTSBURGH, FORT WAYNE & CHICAGO RAILWAY—
(PENNA. LINES.)

McKINLEY CO., Salem, operates McKinley mine at Beloit. VEIN No. 5. Thickness 3 ft. 8 in. Shaft. Pick mine. Daily capacity 250 tons. Analysis on file.

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OHIO—(Continued)

MEIGS COUNTY—County Seat, Pomeroy.

HOCKING VALLEY RAILWAY.

EBERSBACH, MARTIN, Pomeroy, operates Rolling Mill mine at Pomeroy. VEIN Pomeroy. Thickness 5 ft. Drift. Machine mine. Daily capacity 400 tons. Trade name "Pomeroy."

MONKEY RUN COAL CO., THE, Middleport, operates Dabney mine at Pomeroy. VEIN No. 8. Thickness 6 ft. Drift. Pick mine. Daily capacity 150 tons.

PEACOCK COAL CO., Pomeroy, operates Charter Oak mine at Pomeroy. VEIN Pomeroy. Thickness 5 ft. Drift. Machine mine. Daily capacity 600 tons. Trade name "Peacock."

PITTSBURGH MINING CO., THE, Minersville, operates Calumet mine at Minersville. VEIN Pomeroy. Thickness 4½ ft. Drift. Machine mine. Daily capacity 500 tons. Trade name "Hatfield."

POMEROY FUEL CO., Columbus, operates Red Bird mine at Silver Run. VEIN No. 8. Thickness 4½ ft. Incline. Machine mine. Daily capacity 300 tons. Trade name "Okay Pomeroy."

SILVER RUN COAL CO., THE, Middleport, operates Silver Run mine at Silver Run. VEIN No. 8. Thickness 4 ft. Drift. Machine mine. Daily capacity 200 tons. Trade name "Silver Run."

KANAWHA & MICHIGAN RAILWAY.

HARLEY COAL CO., Middleport, operates King mine at Rockville. VEIN No. 8. Thickness 4 ft. 10 in. Drift and Incline. Machine mine. Dailv capacity 200 tons.

MAYNARD COAL CO., THE, Columbus, operates Buckeye mine at Rutland. VEIN Pomeroy. Thickness 5 ft. Incline. Machine mine. Daily capacity 1000 tons. Trade name "Maynard-Pomeroy." Analysis on file.

NOBLE SUMMIT COAL CO., Middleport, operates Noble Summit mine at Noble Summit. VEIN No. 8. Thickness 5 ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "Pomeroy."

SALISBURY COAL CO., THE, Toledo, operates Hudson and Salisbury mines at Middleport. VEIN No. 8. Thickness 5 ft. Drifts. Machine mines. Daily capacity 400 tons. Trade name "Crown."

MORGAN COUNTY—County Seat, McConnelsville.

BALTIMORE & OHIO RAILROAD.

BLUE ROCK COAL CO., McConnellsville, operates Stones mine at Stones Station. VEIN No. 7. Thickness 4 ft. Drift. Pick mine. Daily capacity 75 tons. Trade name "Blue Rock."

ZANESVILLE & WESTERN RAILWAY.

CARDING COAL CO., THE, Columbus, operates Rose mine at Tropic. VEIN No. 6. Thickness 4 ft. Drift. Machine mine. Daily capacity 1000 tons. Trade name "Hiawatha."

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OHIO—Morgan County—Z. & W. Ry.—(Continued)

TROPIC MINING CO., THE, Toledo, operates Tropic mine at Tropic. VEIN Hocking No. 6. Thickness 4 ft. Drift. Machine mine. Daily capacity 1500 tons. Trade name "Tropic."

MUSKINGUM COUNTY—County Seat, Zanesville.

BALTIMORE & OHIO RAILROAD.

DUNCAN RUN COAL MINING CO., Detroit, Mich., operates Cadillac mine at Sealover. VEINS Nos. 6 and 7. Thickness 3 ft. 8 in. and 6 ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

VICTORIA COAL CO., Cleveland, operates Granger mine at Zanesville. VEIN No. 6. Thickness 4 ft. Drift. Machine mine. Daily capacity 400 tons. Analysis on file.

CINCINNATI & MUSKINGUM VALLEY RAILWAY—(PENNA LINES)

ELK COAL CO., THE, Columbus, operates Elk mine at Roseville. VEIN Hocking No. 6. Thickness 4 ft. Drift. Machine mine. Daily capacity 600 tons. Trade name "Famous Elk." Analysis on file.

OHIO RIVER & WESTERN RAILWAY.

FAIR OAKS COAL MINING CO., THE, Columbus, operates Fair Oaks mine at Zanesville. VEIN No. 7. Thickness 5 ft. Drift. Pick mine.

ZANESVILLE & WESTERN RAILWAY.

KRAMER BROS. COAL CO., New Straitsville, operates Brush Creek mine No. 16 at Cannelville. VEIN No. 7. Thickness 4 to 6 ft. Drift. Pick mine. Daily capacity 50 tons.

MAYNARD COAL CO., THE, Columbus, operates mine No. 38 at Cannelville. VEIN No. 6. Thickness 4 ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "Cannelville-Hocking."

MUSKINGUM COAL & RAILROAD CO., Zanesville, operates Abell mine at Buckeye. VEIN Hocking. Thickness 4 ft. Drift. Machine mine. Daily capacity 800 tons. Trade name "Jonathan Creek." Analysis on file.

McGARVEY COAL CO., THE J. A., Cannelville, operates McGarvey mine No. 12 at Cannelville. VEIN No. 6. Thickness 3½ ft. Slope. Pick mine. Daily capacity 175 tons.

PAN-AMERICAN COAL CO., THE, Newark, operates Pan-American mine No. 11 at Cannelville. VEIN No. 6. Thickness 4 ft. 7 in. Drift. Pick mine. Daily capacity 600 tons. Analysis on file.

WALNUT HILL COAL MINING CO., Detroit, Mich., operates Walnut Hill mine at Cannelville. VEIN No. 6. Thickness 4 ft. Drift. Machine mine. Daily capacity 400 tons.

NOBLE COUNTY—County Seat, Caldwell.

BALTIMORE & OHIO RAILROAD.

MORRIS COAL CO., THE, Cleveland, operates Cleveland mine at Cambridge. VEIN No. 7. Thickness 6 ft. Drift. Machine mine. Daily capacity 1000 tons.

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OHIO—Noble County—(Continued)

CLEVELAND & MARIETTA RAILWAY—(PENNA. LINES).

BELLE VALLEY COAL MINING CO., THE, Cambridge, operates Laura mine at Coal Ridge. VEIN No. 7. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 800 tons lump. Trade name "Laura."

GUERNSEY COAL & MINING CO., THE, Newark, operates Golden Rod mine at Coal Ridge. VEIN No. 7. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 350 tons. Analysis on file.

IMPERIAL MINING CO., THE, Chicago, Ill., operates Noble mine at Belle Valley. VEIN*. Thickness*. Shaft. Machine mine. Daily capacity 1200 tons.

OHIO RIVER & WESTERN RAILROAD.

COAL RUN COAL CO., THE, Cambridge, operates Coal Run mine at Hiramsburg. VEIN Meigs Creek. Thickness 4 ft. Drift. Pick mine. Daily capacity 50 tons.

PERRY COUNTY—County Seat, New Lexington.

BALTIMORE & OHIO RAILROAD.

COLUMBUS & HOCKING COAL & IRON CO., Columbus, operates mine No. 3 at Shawnee. VEIN No. 6. Thickness 12 ft. Drift. Machine mine. Daily capacity 1000 tons. Trade name "Kincaid." Analysis on file.

GIBBS, GEO. C., New Straitsville, operates Hazelton mine at Shawnee. (Also Z. & W. Ry.) VEIN No. 6. Thickness 7 to 12 ft. Drift. Machine mine. Daily capacity 250 tons.

NEW ENGLAND COAL CO., THE, Columbus, operates San Toy and Captain mines at Santoy. VEIN No. 6. Thickness 4 ft. Shafts. Machine mines. Daily capacity 1800 tons. Trade name "Santoy."

SHAWNEE COAL MINING CO., THE, Columbus, operates XX mine at Shawnee. (Also Z. & W. Ry.) VEIN No. 6. Thickness 11 ft. Drift. Machine mine. Daily capacity 600 tons. Analysis on file.

UPSON COAL & MINING CO., THE, Newark, operates Dixie mines at Dixie. VEIN No. 6. Thickness 3½ ft. Drift. Machine mine. Daily capacity 800 tons. Trade name "Dixie." Analysis on file.

CINCINNATI & MUSKINGUM VALLEY RAILWAY—(PENNA. LINES)

KENNON COAL & MINING CO., THE, Cleveland, operates New Crescent mine at Roseville. VEIN No. 6. Thickness 4 ft. Drift. Machine mine. Daily capacity 300 tons. Trade name "Thin Vein Hocking."

UNION COAL MINING CO., THE, Columbus, operates Union mine at Crooksville. VEIN No. 6. Thickness 4 ft. Drift. Machine mine. Daily capacity 1000 tons. Trade name "Hiawatha."

ZANESVILLE COAL CO., THE, Crooksville, operates Keystone mines Nos. 1, 2 and 3 at Crooksville. VEIN No. 6. Thickness 42 in. Drifts. Nos. 1 and 2 Machine mines, No. 3 Pick mine. Daily capacity 2000 tons. Trade name "Keystone."

*NOT REPORTED

The Baltimore & Ohio Coal Co.
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The Upson Coal & Mining Company

The Standard Scale & Supply Co.
CLEVELAND, PITTSBURGH *and* CHICAGO

OHIO—Perry County—(Continued)

DETROIT, TOLEDO & IRONTON RAILWAY.

GOSLINE & CO., W. A., Toledo, operates Bear Run mine at Gaston. VEIN No. 6. Thickness 3½ ft. Shaft. Machine mine. Daily capacity 500 tons. Trade name "Bear Run."

HOCKING VALLEY RAILWAY.

COLUMBUS & HOCKING COAL & IRON CO., Columbus, operates Kincaid mine at New Straitsville. VEIN No. 6. Thickness 12 ft. Drift. Machine mine. Daily capacity 1900 tons. Trade name "Kincaid." Analysis on file.

JONES COAL CO., THE, New Straitsville, operates mine No. 15 at New Straitsville. VEIN No. 6. Thickness 10 ft. Drift. Machine mine. Daily capacity 400 tons. Trade name "Peacock."

SINES BROS. & CO., THE, New Straitsville, operates mine No. 2 at New Straitsville. VEIN No. 6. Thickness 7 ft. Drift. Pick mine. Daily capacity 75 tons.

TOLEDO & OHIO CENTRAL RAILWAY.

CHAPMAN MINING CO., THE, Moxahala, operates Chapman mines Nos. 1 and 2 at Moxahala. VEIN Hocking. Thickness 4 ft. Drift and Slopes. Machine mines. Daily capacity 2000 tons.

SUNDAY CREEK CO., Columbus, operates mine No. 9 at Carrington, and mine No. 268 at Rendville. VEIN No. 6. Thickness 6 and 8 ft. respectively. Slopes. Machine mines. Daily Capacity 2100 tons.

ZANESVILLE & WESTERN RAILWAY.

DAVIS BROS. COAL CO., Shawnee, operates Davis mine at Shawnee. VEIN Thick Vein Hocking. Thickness 5½ ft. Drift. Machine mine. Daily capacity 300 tons.

GIBBS, GEO. C., operates Hazelton mine at Shawnee. (See B. & O. R. R.)

NEW PERRY COAL CO., THE, Somerset, operates Perry mine No. 1 at Redfield. VEIN No. 5. Thickness 3½ ft. Drift. Pick mine. Daily capacity 100 tons.

SHAWNEE COAL MINING CO., THE, Columbus, operates XX mine at Shawnee. (See B. & O. R. R.)

SIMONS & SON, A., Redfield, operates Chestnut Ridge mine No. 3 at Redfield. VEIN No. 5. Thickness 3½ to 4 ft. Drift. Machine mine. Daily capacity 200 tons.

SUNDAY CREEK CO., Columbus, operates mines Nos. 301 and 302 at Congo, VEIN No. 6. Thickness 8 and 6 ft. respectively. Shafts. Machine mines. Daily capacity 3000 tons.
Same Company operates mine No. 321 at Misco. VEIN No. 6. Thickness 4½ ft. Shaft. Machine mine. Daily capacity 500 tons.

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OHIO—(Continued)

PORTAGE COUNTY—County Seat, Ravenna.

LAKE ERIE, ALLIANCE & WHEELING RAILROAD.

HUTSON COAL CO., THE, Cleveland, operates Deerfield and Palmyra mines at Davis and Deerfield. VEIN No. 1. Thickness 4 ft. Shafts. Machine and Pick mines. Daily capacity 400 tons. Trade names "Palmyra Block," "Crystal Cannel," and "Deerfield." Analysis on file.

SOUTH PALMYRA COAL CO., THE, Cleveland, operates Mullins mine at Deerfield. VEIN No. 1. Thickness 3½ ft. Shaft. Machine mine. Daily capacity 400 tons. Trade name "South Palmyra Block." Analysis on file.

SCIOTA COUNTY—County Seat, Portsmouth.

BALTIMORE & OHIO SOUTHWESTERN RAILROAD.

MORGAN & HORTON, Eifort, operates mine at Eifort. VEIN No. 4. Thickness 3 ft. Drift. Pick mine. Daily capacity 100 tons. Trade name "Eifort."

STARK COUNTY—County Seat, Canton.

BALTIMORE & OHIO RAILROAD.

MASSILLON COAL MINING CO., THE, Cleveland, operates mine No. 13 near Massillon. VEIN Massillon. Thickness varies. Shaft. Pick mine. Daily capacity 200 tons. Trade name "Massillon." Analysis on file.

MASSILLON CRYSTAL COAL CO., THE, Massillon, operates Crystal mine at Massillon. (Also P. Ft. W. & C. Ry.) VEIN No. 1. Thickness 4½ ft. Shaft. Pick mine. Daily capacity 100 tons. Analysis on file.

POCOCK COAL CO., THE, Massillon, operates Pocock mine No. 3 at Greenville. (Also W. & L. E. R. R.) VEIN No. 1. Thickness 5 ft. Shaft. Machine and Pick mine. Daily capacity 600 tons. Trade name "Famous Massillon."

TAGGART COAL CO., Massillon, operates Taggart mine No. 3 at Massillon. VEIN No. 2. Thickness 4 to 5 ft. Shaft. Pick mine. Daily capacity 150 tons. Trade name "Taggart."

TUCKER, C. H., Cleveland, operates Nimishilling Coal & Mineral Co.'s mine at North Industry. VEIN No. 4. Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons.

CLEVELAND, AKRON & COLUMBUS RAILWAY—(PENNA. LINES)

PITTSBURGH & OHIO MINING CO., THE, Cleveland, operates the Beechwood Massillon Coal Company's Beechwood mine at Manchester. VEIN No. 1. Thickness 4 ft. 10 in. Shaft. Machine mine. Daily capacity 350 tons, screened lump. Trade name "Beechwood."

LAKE ERIE, ALLIANCE & WHEELING RAILROAD.

JONES BROS., Alliance, operates Crescent mine at Paris. VEIN No. 5. Thickness 3½ ft. Slope. Pick mine. Daily capacity 120 tons.

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SALES AGENTS . . .

CLEVELAND, OHIO

THE MASSILLON COAL MINING COMPANY

OHIO—Stark County—(Continued)

PITTSBURGH, FORT WAYNE & CHICAGO RAILWAY—(PENNA. LINES.)

MASSILLON COAL MINING CO., THE, Cleveland, operates mine No. 20 near Massillon. VEIN Massillon. Thickness varies. Shaft. Machine and Pick Mine. Daily capacity 250 tons. Trade name "Massillon." Analysis on file.

MASSILLON CRYSTAL COAL CO., THE, Massillon, operates Crystal mine at Massillon. (See B. & O. R. R.)

MINGLEWOOD MASSILLON COAL CO., Cleveland, operates Grute mine at Lawrence. VEIN Massillon. Thickness 4 ft. Slope. Pick mine. Daily capacity 400 tons. Trade name "Minglewood-Massillon."

WHEELING & LAKE ERIE RAILROAD.

MASSILLON COAL MINING CO., THE, Cleveland, operates mine No. 12 near Massillon. VEIN Massillon. Thickness varies. Shaft. Machine and pick mine. Daily capacity 400 tons. Trade name "Massillon." Analysis on file.

MASSILLON CITY COAL CO., THE, Massillon, operates Massillon City mine No. 4 at Greenville. VEIN No. 1. Thickness 5 ft. Shaft. Pick mine. Daily capacity 300 tons. Trade name "Famous Massillon."

MASSILLON ELM RUN COAL CO., Cleveland, operates Elm Run mines No. 5 at Justus and No. 7 at Navarre. VEIN No. 1. Thickness 5 ft. Shafts. Pick mines. Daily capacity 650 tons. Trade name "Elm Run."

POCOCK COAL CO., THE, Massillon, operates Pocock mine No. 3 at Greenville. (See B. & O. R. R.)

STEINER COAL CO., THE, Canton, operates Indian Run mine at Waynesburg. VEIN No. 6. Thickness 4 ft. Drift. Pick mine. Daily capacity 500 tons.

SUMMIT COUNTY—County Seat, Akron.

CLEVELAND, AKRON & COLUMBUS RAILWAY—(PENNA. LINES)

BREWSTER COAL CO., Akron, operates Turkey Foot mine at Clinton. VEIN No. 1. Thickness 3 to 5 ft. Slope. Pick mine. Daily capacity 200 tons. Trade name "Turkey Foot."

TUSCARAWAS COUNTY—County Seat, New Philadelphia.

BALTIMORE & OHIO RAILROAD.

GOSHEN COAL CO., THE, Cleveland, operates Beaver Dam mine No. 2 at Midvale. VEIN No. 6. Thickness*. Shaft. Machine and Pick mine.

GOSHEN VALLEY COAL CO., THE, Massillon, operates Goshen Valley mines Nos. 2 and 3 at Beidler. VEIN No. 6. Thickness 4 to 5 ft. Slopes. Pick mines. Daily capacity 350 tons. Trade name "Goshen."
Same Company operates Goshen Valley mine No. 4 at Beidler. VEIN No. 6. Thickness 4 ft. 10 in. Slope. Pick mine. Daily capacity 125 tons. Trade name "Original Goshen."

* NOT REPORTED

THE STEINER COAL CO.

MINERS AND SHIPPERS

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THE H. S. ODBERT COAL COMPANY

Exclusive . . . Sales Agents The Minglewood-Massillon Coal Co.

Rockefeller Bldg. - . CLEVELAND, OHIO

OHIO—Tuscarawas County—B. & O. R. R.—(Continued)

HOLDEN, C. EDWARDS, Mineral City, operates South Side Huff Run mine at Mineral City. VEIN No. 5. Thickness 3½ ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "South Side Massillon."
Same Party operates North Side Huff Run mine at Mineral City. (Also C. & P. R. R.) VEIN No. 5. Thickness 3 to 5 ft. Drift. Pick mine. Daily capacity 40 to 50 tons. Trade name "Newbury Coal."

MARKLEY, GEO. J., Mineral City, operates Acme mine at Mineral City. VEIN No. 5. Thickness 3½ ft. Drift. Pick mine. Daily capacity 150 tons.

MIDVALE GOSHEN COAL CO., THE, Cleveland operates mines Nos. 4, 6 and 7 at Wainwright. VEIN No. 6. Thickness 4½ ft. Drifts and Slopes. Machine and Pick mines. Daily capacity 1200 tons. Trade name "Gilt Edge Wainwright."

NUNGESSER COAL CO., Beidler, operates Morey Ridge mine at Beidler. VEIN No. 6. Thickness 4½ ft. Drift. Pick mine. Daily capacity 50 tons.

RIDGEWAY BURTON CO., Cleveland, operates Huff Run mine at Mineral City. VEIN No. 5. Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "Huff Run."

ROYAL GOSHEN COAL CO., New Philadelphia, operates Royal mine No. 2, Rosebud mine No. 3 and Hazelton mine No. 4 at New Philadelphia and Brock Hill mine No. 5 at Barnhill. VEIN No. 6. Average thickness 4½ ft. Drifts. Pick mines. Daily capacity 1050 tons.

CLEVELAND & MARIETTA RAILWAY—(PENNA. LINES)

GOSHEN COAL CO., THE, Cleveland, operates West Goshen mine at Joyce. VEIN No. 6. Thickness 5 ft. Drift. Machine and Pick mine. Daily capacity 500 tons. Trade name "Goshen."

NOVELTY BRICK & COAL CO., THE, Newcomerstown, operates mines Nos. 1 and 2 at Newcomerstown. VEIN No. 6. Thickness 3½ ft. Drifts. Machine mines. Daily capacity 250 tons. Analysis on file.

CLEVELAND & PITSBURGH RAILROAD—(PENNA. LINES)

GOSHEN CENTRAL COAL CO., THE, Massillon, operates Goshen Central mine at New Philadelphia. VEIN No. 6. Thickness*. Drift. Machine and Pick mine.

GOSHEN COAL CO., THE, Cleveland, operates Beaver Dam mine No. 1, and Goshen Hill mine at Roswell. VEIN No. 6. Thickness*. Shaft. Machine and Pick mine.
Same Company operates mines Nos. 1 and 2 at Roswell. VEIN No. 6. Thickness 4½ ft. Drift and Slope. Machine and Pick mines. Daily capacity 1000 tons. Trade name "Goshen."
Same Company operates Goshen shaft at Roswell. VEIN No. 6. Thickness 4½ ft. Shaft. Machine and Pick mine. Daily capacity 600 tons. Trade name "Goshen."
Same Company operates Goshen Hill mine at New Philadelphia. VEIN No. 6. Thickness 4 ft. Drift. Pick mine. Trade name "Goshen Hill."

*NOT REPORTED

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OHIO——Tuscarawas County—C. & P. R. R.—(Continued)

HOLDEN, C. EDWARDS, Mineral City, operates North Side Huff Run mine at Mineral City. (See B. & O. R. R.)

MULLINS COAL CO., THE JAMES, Cleveland, operates Mullins mine at New Philadelphia. VEIN No. 6. Thickness 4½ ft. Drift. Machine mine. Daily capacity 700 tons. Trade name "Superior Goshen."

PITTSBURGH, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY.—(PENNA. LINES.)

DENNISON MINING CO., THE, Dennison, operates Twin City mine at Dennison. VEIN No. 6. Thickness 4 to 4½ ft. Drift. Pick mine. Daily capacity 200 tons. Trade name 'Goshen."

HIAWATHA COAL CO., THE, Cleveland, operates Indian Hill mine at Uhrichsville. VEIN No. 6. Thickness 4 ft. 4 in. Drift. Machine mine. Daily capacity 500 tons. Trade name "Indian Hill."

WHEELING & LAKE ERIE RAILROAD.

MASSILLON TUSCARAWAS COAL CO., THE, Massillon, operates Central Valley mine No. 2 at New Cumberland. VEIN No. 6. Thickness 4 ft. Drift. Machine mine. Daily capacity 400 tons. Trade name "Central Valley."

SOMERDALE COAL CO., THE, Cleveland, operates mine No. 1 at Somerdale. VEIN No. 6. Thickness 4 ft. Drift. Pick mine. Daily capacity 300 tons.

VINTON COUNTY—County Seat, McArthur.

HOCKING VALLEY RAILWAY.

LAWLER & SON, Columbus, operates Lawler mine at Minerton. VEIN Jackson No. 4. Thickness 4 ft. Drift. Machine mine. Daily capacity 250 tons. Analysis on file.

MOHR-MINTON COAL CO., THE, Columbus, operates Mohr-Minton mine at McArthur. VEIN Newlun. Thickness 6 ft. Drift. Machine mine. Trade name "Newlun Ridge Splint." Analysis on file.

STAR COAL CO., Logan, operates Star mine at Hawks. VEIN*. Thickness*. Slope. Pick mine. Daily capacity 100 tons.

WAYNE COUNTY—County Seat, Wooster.

CLEVELAND, AKRON & COLUMBUS RAILWAY—(PENNA. LINES)

MASSILLON ELM RUN COAL CO., Cleveland, operates Elm Run mine No. 9 at Clinton. VEIN No. 1. Thickness 4½ ft. Shaft. Pick mine. Daily capacity 400 tons. Trade name "Elm Run."

*NOT REPORTED

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OHIO—Wayne County—C. A. & C. Ry.—(Continued)

WEST LEBANON COAL CO., Cleveland, operates Lebanon mine No. 2 at West Lebanon. VEIN No. 1. Thickness 5 ft. Slope. Pick mine. Daily capacity 300 tons. Trade name "West Lebanon."

ERIE RAILROAD.

MASSILLON ELM RUN COAL CO., Cleveland, operates Elm Run mine No. 10 at Doylestown. VEIN No. 1. Thickness 5 ft. Shaft. Pick mine. Daily capacity 300 tons. Trade name "Elm Run."

MASSILLON ELM RUN COAL CO., Cleveland, operates Elm Run mine No.

MASSILLON COAL MINING CO., THE, Cleveland, operates mines Nos. 22 and 23 near Massillon. (Also W. & L. E. R. R.) VEIN Massillon. Thickness varies. Shafts. Pick and Machine, and Pick mines, respectively. Daily capacity 800 tons. Trade name "Massillon." Analysis on file.

WHEELING & LAKE ERIE RAILROAD.

MASSILLON COAL MINING CO., THE, Cleveland, operates mines Nos. 14 and 21 near Massillon. VEIN Massillon. Thickness varies. Shafts. Pick mines Daily capacity 450 tons. Trade name "Massillon." Analysis on file.

Same Company operates mines Nos. 22 and 23 near Massillon. (See P. Ft. W. & C. R. W.)

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Rockefeller Bldg., Cleveland, O.

PENNSYLVANIA

Index of Veins, showing Counties in which they are found.

Vein	County
"A" or Brookville	Blair—Centre—Clarion—Jefferson—Mercer—Somerset
"B" or Miller	Blair—Cambria—Centre—Clearfield—Indiana—Lawrence—Lycoming—Somerset—Westmoreland
"C" Prime or Cement	Cambria—Clearfield—Somerset
"D" or Moshannon	Cambria—Clearfield—Indiana—Somerset
"E" or Lemon	Blair—Cambria—Clearfield—Indiana—Jefferson—Somerset
No. 6	Beaver
Barnett	Bedford—Huntington
Beaver	Jefferson
Blossburg	Tioga
Brier Hill Block	Mercer
Brookville or "A"	Blair—Centre—Clarion—Jefferson—Mercer—Somerset
Cannel	Armstrong—Butler
Clarion	Butler—Clarion
Connellsville	Fayette—Washington—Westmoreland
Cumberland Big Vein	Somerset
Freeport	Allegheny—Armstrong—Butler—Clearfield Indiana—Mercer—Westmoreland
Fulton	Bedford—Huntingdon
Kelly	Bedford—Huntingdon
Kittanning	Armstrong—Butler—Clarion—Clinton—Westmoreland
Lemon or "E"	Cambria—Clearfield—Indiana—Jefferson—Somerset
Lower Freeport	Allegheny—Armstrong—Bedford—Cambria—Cameron—Clarion—Clearfield—Elk—Jefferson—Westmoreland
Lower Kittanning	Armstrong—Clarion—Elk—Jefferson—Somerset
Middle Kittanning	Butler
Miller or "B"	Blair—Cambria—Centre—Clearfield—Indiana—Lawrence—Lycoming—Somerset—Westmoreland
Monongahela River	Fayette
Pittsburg	Allegheny—Fayette—Greene—Indiana—Somerset—Washington—Westmoreland
Platt	Somerset
Price	Somerset
Redstone	Somerset
Sewickley	Fayette
Sonman Basin	Cambria
South Fork Miller	Cambria
Upper Freeport	Allegheny—Armstrong—Butler—Fayette—Indiana—Jefferson—Westmoreland
Upper Kittanning	Bedford—Cambria—Clarion
Upper Sewickley	Fayette

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PENNSYLVANIA

ALLEGHENY COUNTY—County Seat, Pittsburgh.

BESSEMER & LAKE ERIE RAILROAD.

BESSEMER COAL & COKE CO., Pittsburgh, operates Bessemer mine No. 1 at Russellton. VEIN Freeport. Thickness 7 ft. Shaft. Machine mine. Daily capacity 2000 tons. Trade name "Russellton." Analysis on file.

FORD COLLIERIES CO., Detroit, Mich., operates Francis and Benjamin mines at Curtis. VEIN Freeport. Thickness 6 ft. Shafts and Slopes. Machine mines. Daily capacity 5000 tons.

MIFFLIN COAL CO., Pittsburgh, operates Mifflin mines Nos. 1 and 2 at Duquesne. VEIN Pittsburgh. Thickness 5½ ft. Drifts. Machine and Pick mines. Daily capacity 1100 tons.

NEW YORK & CLEVELAND GAS COAL CO., Pittsburgh, operates Oak Hill mine No. 5 at Gascola. VEIN Pittsburgh. Thickness 5 ft. Drift. Pick mine. Daily capacity 600 tons. Analysis on file.

Same Company operates Oak Hill mine No. 3 at Turtle Creek. (Also P. R. R.) VEIN Pittsburgh. Thickness 5 ft. Drift. Pick mine. Daily capacity 1500 tons. Analysis on file.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

ALLEGHENY COAL CO., THE, Cleveland, Ohio, operates Harwick mine near Cheswick. VEIN Upper Freeport. Thickness 6½ ft. Shaft. Machine and Pick mine. Daily capacity 2000 tons. The Pittsburgh & Ohio Mining Co., Cleveland, Ohio, Exclusive Sales Agents.

CORNELL COAL CO., Freeport, operates Hite mine at Glassmere Station. VEIN Thick Vein Freeport. Thickness 6 ft. Slope. Machine mine. Daily capacity 1500 tons. Analysis on file.

CRESCENT COAL CO., Pittsburgh, operates Peters Creek mines Nos. 1, 2 and 3 at Epton. VEIN Pittsburgh. Thickness 5½ ft. Drifts. Machine and Pick mines. Daily capacity 1500 tons. Analysis on file.

McFETRIDGE BROS., Creighton, operates mine at Creighton. VEIN Freeport. Thickness 6 ft. Drift. Pick mine. Daily capacity 600 tons.

McKEAN COAL CO., Tarentum, operates McKean mine at Tarentum. VEIN Freeport. Thickness 7 ft. Drift. Machine mine. Daily capacity 1000 tons.

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PENNSYLVANIA—Allegheny County—P. R. R.—(Continued)

NEW YORK & CLEVELAND GAS COAL CO., Pittsburgh, operates Duquesne mine at Edgewood. VEIN Pittsburgh. Thickness 5 ft. Drift. Pick mine. Daily capacity 130 tons. Analysis on file.

Same Company operates Oak Hill mine No. 3 at Turtle Creek. (See B. & L. E. R. R.)

Same Company operates Sandy Creek mine at Sandy Creek and Plum Creek mine at Unity. VEIN Pittsburgh. Thickness 5 and 6 ft. respectively. Drifts. Pick mines. Daily capacity 1800 tons. Analysis on file.

PENNSYLVANIA SALT MFG. CO., Natrona, operates mine No. 1 at Natrona. VEIN Freeport. Thickness 3½ to 4 ft. Drift. Machine mine. Daily capacity 800 tons.

PITTSBURGH PLATE GLASS CO., Pittsburgh, operates Creighton Coal Works at Creighton. VEIN Lower Freeport. Thickness 6 ft. Drift. Machine mine. Daily capacity 1500 tons. Trade name "Creighton." Analysis on file.

YOUGHIOGHENY & OHIO COAL CO., THE, Cleveland, Ohio, operates Thompson mine at Epton. VEIN Pittsburgh.

PITTSBURGH, CHARTIERS & YOUGHIOGHENY RAILWAY.

OLLETT BROTHERS, Presto, operate Essen mine No. 1 at Essen. VEIN Pittsburgh. Thickness 5 ft. Drift. Pick mine. Daily capacity 450 tons.

STEEN COAL CO., Woodville, operates Willa mine No. 1 at Presto. VEIN Pittsburgh. Thickness 5 ft. Drift. Machine and Pick mine. Daily capacity 400 tons. Trade name "Willa."

PITTSBURG, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY—(PENNA. LINES.)

CARNEGIE COAL CO., Pittsburgh, operates Oakdale mine at Oakdale, and Carnegie mine at Carnegie. VEIN Pittsburgh. Thickness 5ft. Drifts. Machine mines. Daily capacity 2400 tons. Trade name "Carnegie." Analysis on file.

FAYETTE COAL CO., THE, Pittsburgh, operates Chalfant mine at Noblestown. VEIN Pittsburgh. Thickness 5 to 5½ ft. Drift. Machine and Pick mine. Daily capacity 1200 to 1500 tons. Trade name "Chalfant." Analysis on file.

KIRKBRIDE COAL CO., Carnegie, operates Kirkbride mine at Noblestown. VEIN Pittsburgh. Thickness 5 ft. Incline. Machine and Pick mine. Daily capacity 450 tons. Analysis on file.

McCLANE COAL CO., Bridgeville, operates Katie mine at Bridgeville. VEIN Pittsburgh. Thickness 5½ ft. Drift. Machine mine. Daily capacity 600 tons. Analysis on file.

McDONALD COAL CO., McDonald, operates Willow Grove mine at Sturgeon. VEIN Pittsburgh. Thickness 5½ ft. Drift. Machine and Pick mine. Daily capacity 400 tons. Trade name "Willow Grove."

NATIONAL MINING CO., Pittsburgh, operates National mine No. 1 at Sygan and No. 2 at Traveskyn. VEIN Pittsburgh. Thickness 5 ft. 4 in. Slopes. Machine mines. Daily capacity 4000 tons.

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PENNSYLVANIA—Allegheny County—P. C. C. & St. L. Ry.—(Continued)

PITTSBURGH & LAKE ERIE RAILROAD.

BLAINE COAL CO., Pittsburgh, operates Blaine mine at Lock No. 3. VEIN Pittsburgh. Thickness 6½ ft. Drift. Machine mine. Daily capacity 3000 tons. Analysis on file.

LAKE SHORE GAS COAL CO., Suterville, operates Dravo mine at Dravo. VEIN Pittsburgh. Thickness 5 ft. 8 in. Drift. Machine mine. Daily capacity 400 tons. Analysis on file.

WEST SIDE BELT RAILROAD.

PITTSBURGH TERMINAL RAILROAD & COAL CO., Pittsburgh, operates mines Nos. 1, 2 and 3 at Castle Shannon. VEIN Pittsburgh. Thickness 5½ ft. Shafts. Machine mines. Daily capacity 7500 tons. Trade name "Saw Mill Run."

Same Company operates mines Nos. 4 and 5 at Horning. VEIN Pittsburgh. Thickness 5½ ft. Shafts. Machine mines. Daily capacity 5000 tons. Trade name "Youghiogheny."

Same Company operates mine No. 6 at Horning and No. 7 at Large. VEIN Pittsburgh. Thickness 5½ ft. Drifts. Machine mines. Daily capacity 6000 tons. Trade name "Youghiogheny."

ARMSTRONG COUNTY—County Seat, Kittanning.

BUFFALO, ROCHESTER & PITTSBURGH RAILWAY.

DAYTON COAL CO., Punxsutawney, operates Dayton mine at Dayton. VEIN Upper Freeport. Thickness 4½. Drift. Machine mine. Daily capacity 600 tons. Analysis on file.

SUMMIT COAL CO., Punxsutawney, operates Summit mine at Dayton. VEIN Lower Freeport. Thickness 5 ft. Drift. Machine mine. Daily capacity 600 tons. Analysis on file.

BUFFALO & SUSQUEHANNA RAILROAD.

BUFFALO & SUSQUEHANNA COAL & COKE CO., Buffalo, operates Sagamore mine at Sagamore. VEIN Upper Freeport. Thickness 5 ft. Drift. Machine mine. Daily capacity 10000 tons.

PENNSYLVANIA RAILROAD—(PENNA. LINES).

BEALE, JOS. G. & CO., Leechburg, operates Beale mine at Leechburg. VEIN Upper Freeport. Thickness 4 ft. Drift. Machine mine. Daily capacity 800 tons.

Same Company operates Aladdin mine at Aladdin. VEIN Upper Freeport. Thickness 4 ft. Drift. Pick mine. Daily capacity 300 tons.

CLARK COAL & COKE CO., Pittsburgh, operates Clark's mine at Freeport. (Also Butler Co.) VEIN Freeport. Thickness 4 ft. Drift. Pick mine. Daily capacity 300 tons. Analysis on file.

FAIRMONT COAL CO., Buffalo, N. Y., operates Fairmont mine No. 6 at Bostonia. VEIN Upper Freeport. Thickness 4 ft. Drift. Machine and Pick mine. Daily capacity 600 tons.

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PENNSYLVANIA—Armstrong County—P. R. R.—(Continued)

Same Company operates Fairmont mine No. 8 at Bostonia. VEIN Cannel. Thickness 11 ft. Drift. Machine mine. Daily capacity 500 tons.

GLENDALE COAL CO., Inc., Meyersdale, operates Glen mines Nos. 1 and 2 at Kelly Station. VEIN Freeport. Thickness 4 ft. Drifts. Pick mines. Daily capacity 200 tons. Analysis on file.

KERR COAL CO., Freeport, operates Kerr mines Nos. 2 and 8 at Freeport. VEIN Upper Freeport. Thickness 3½ ft. Machine mines. Daily capacity 1400 tons. Analysis on file.

LOGANSPORT COAL CO., Logansport, operates Bethel mine at Logansport. VEIN Freeport. Thickness 4 ft. Drift. Machine mine. Daily capacity 300 tons. Analysis on file.

MAHER COAL & COKE CO., Blairsville, operates Maher mine No. 4 at Leechburg. VEIN Upper Freeport. Thickness 3 ft. 8 in. Drift. Pick mine. Daily capacity 300 tons.

OAK RIDGE MINING CO., Buffalo, N. Y., operates Oak ridge mine at Oak Ridge. VEIN Upper Freeport. Thickness 4½ ft. Drift. Pick mine. Daily capacity 500 tons. Analysis on file.

PITTSBURGH PLATE GLASS CO., Pittsburgh, operates Mosgrove Coal Works at Mosgrove. VEINS Upper Freeport and Lower Kittanning. Thickness 3½ and 4 ft. respectively. Drift. Machine mine. Daily capacity 500 tons. Trade name "Mosgrove." Analysis on file.

PROVIDENT COKE & MINING CO., Kelly Station, operates Provident mine at Kelly Station. VEIN Freeport. Thickness 3½ ft. Drift. Machine mine. Daily capacity 400 tons. Trade name "Provident." Analysis on file.

WEST PENN COAL MINING CO., Philadelphia, operates West Penn mine at Apollo. VEIN Lower Kittanning, 'B.' Thickness 4 ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "West Penn No. 1."

WIDNOON COAL MINING CO., Reynoldsville, operates Widnoon mine at Lawsonham. VEIN Kittanning. Thickness 4 to 5 ft. Drift. Machine mine. Daily capacity 1000 tons.

WESTERN ALLEGHENY RAILROAD.

GREAT LAKES COAL CO., Pittsburgh, operates Barnhart and Kincaid mines at Kaylor. VEIN Upper Freeport. Thickness 40 in. Drifts. Machine mines. Daily capacity 1100 tons. Trade names "Summit" and "Kincaid." Analysis of Barnhart mine on file.
Same Company operates Kaylor, Snow Hill and Pine Run mines at Kaylor. VEIN Lower Kittanning. Thickness 3½ ft. Slope and Drifts. Machine mines. Daily capacity 3000 tons. Trade name "Kaylor." Analysis on file.

BEAVER COUNTY—County Seat, Beaver.

PITTSBURGH, LISBON & WESTERN RAILROAD.

FRANCIS & PROSSER COAL CO., THE, Cannelton, operates Sterling mine at Cannelton. VEIN No. 6. Thickness 4 ft. 4 in. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

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PENNSYLVANIA—(Continued)

BEDFORD COUNTY—County Seat, Bedford.

HUNTINGDON & BROAD TOP RAILROAD.

BROWN, E. C., Patton, operates mines Nos. 2 and 3 at Defiance. VEIN Kelley or Lower Freeport. Thickness 3 ft. 8 in. to 5 ft. Drifts. Pick mines. Daily capacity 200 to 300 tons. Analysis on file.

CARBON COAL & COKE CO., THE, Boston, Mass., operates Cambria mine No. 3 at Langdondale. VEIN Kelly. Thickness 5 ft. Shaft. Pick mine. Daily capacity 500 tons.

COLONIAL IRON CO., Riddlesburg, operates Judith mine at Riddlesburg. VEIN Kelly. Thickness 4 ft. Slope. Pick mine. Daily capacity 400 tons.

COMMERCIAL COAL MINING CO., Philadelphia, operates Commercial Colliery No. 1 at Six Mile Run. VEIN Kelly. Thickness 3 ft. 10 in. Drift. Pick mine. Daily capacity 500 tons.

HIGHLAND COAL MINING CO., Philadelphia, operates Highland mine at Six Mile Run. VEIN Fulton. Thickness*. Drift. Pick mine. Daily capacity 500 tons. Trade name "Highland." Analysis on file.

KENMAR COAL CO., Patton, operates mines Nos. 1 and 2 at Defiance. VEIN Kelly. Thickness 3 ft. 8 in. to 4½ ft. Drifts. Pick mines. Daily capacity 200 tons. Analysis on file.

LANGDON, JOHN, Huntingdon, operates Glendale mine No. 2 at Hopewell. VEIN Barnet. Thickness 3 ft. Drift. Pick mine. Daily capacity 100 tons. Trade name "Chevington." Analysis on file.

Same Company operates Cambria and Glendale mines No. 1, Duval Nos. 1 and 2 and Chevington No. 2 at Hopewell. VEIN Kelly. Thickness 4 ft. Drifts and Slopes. Pick mines. Daily capacity 600 to 800 tons. Trade name "Chevington." Analysis on file.

SCHIPPER BROS. COAL MINING CO., Boston, Mass., operates Ladysmith mines Nos. 1, 2, 3, 4, 5, and 6 at Six Mile Run. VEINS Fulton and Barnet. Thickness 6 and 3 ft. respectively. Drifts and Inclines. Pick mines. Trade name "Juniata Smokeless." Analysis on file.

THROPP, JOSEPH E., Everett, operates Kearney slope at Kearney. VEINS Upper Kittanning. Thickness 4 ft. Slope. Machine and Pick mine. Daily capacity 450 tons. Analysis on file.

BLAIR COUNTY—County Seat, Hollidaysburg.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

ALTOONA COAL & COKE CO., Altoona, operates Horse Shoe mine at Horse Shoe. VEIN Miller (B). Thickness 2½ ft. Drift. Pick mine. Daily capacity 150 tons. Trade name "Horse Shoe." Analysis on file.

Same Company operates Delaney mine No. 6 at Horse Shoe. VEIN Brookville (A). Thickness 5½ ft. Slope. Pick mine. Daily capacity 100 tons. Trade name "Raven."

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PENNSYLVANIA—Blair County—P. R. R.—(Continued)

ANDA COAL CO., Houtzdale, operates Mountain Branch mine "A" in Rush Township. VEIN "A." Thickness 6 ft. Drift. Pick mine. Daily capacity 100 tons.

BRADLEY, F. X., COAL CO., Gallitzin, operates mine No. 4 at Bennington. VEIN "B." Thickness 4½ ft. Slope. Pick mine. Daily capacity 100 tons.

BRADLEY & REED, Gallitzin, operates mine No. 1 at Bennington. VEIN "B." Thickness 3 ft. Drift. Pick mine. Daily capacity 100 tons. Analysis on file.

GLEN WHITE COAL & LUMBER CO., Glen White, operates Glen White mines Nos. 1 and 2 at Glen White. VEINS 'B' and 'E.' Thickness 3½ ft. and 4 ft. respectively. Drifts. Pick mines. Daily capacity 800 tons.

TUNNEL COALING CO., Greensburg, operates mine No. 1 at Gallitzin. VEIN Lemon or "E." Thickness*. Drift. Machine and Pick mine.

BUTLER COUNTY—County Seat, Butler.

BALTIMORE & OHIO RAILROAD.

CUNNINGHAM COAL CO., Chicora, operates Chicora mine at Chicora. VEIN Upper Freeport. Thickness 4 ft. Drift. Pick mine. Daily capacity 300 tons. Analysis on file.

SHERWIN, P. D., Butler, operates Enterprise and Sherwin mines at Karns City and Sherwin respectively. (Also B. & L. E. R. R.) VEIN Kittanning. Thickness 2 ft. 8 in. and 4½ ft. respectively. Drifts. Machine and Pick mines. Daily capacity 600 tons. Analysis on file.

BESSEMER & LAKE ERIE RAILROAD.

BESSEMER & LAKE ERIE COAL MINING CO., Pittsburgh, operates Jefferson mine No. 1 at Keenan. VEIN Clarion. Thickness 5 to 6 ft. Drift. Machine mine. Daily capacity 400 tons.

BUTLER COAL & COKE CO., Butler, operates Butler mine at Jamisonville Station. VEIN Freeport. Thickness 3 ft. 8 in. Drift. Machine mine. Daily capacity 200 tons.

BUTTS CANNEL COAL CO., Cleveland, Ohio, operates Bessemer mine at Deegan. VEIN Brookville "A." Thickness 5 ft. Drift. Machine mine. Daily capacity 1000 tons.

Same Company operates Blue Grass mine at Deegan. VEIN Cannel. Thickness*. Incline. Pick mine. Daily capacity 250 tons. Trade name "Blue Grass."

ERIE COAL & COKE CO., Ferris, operates Keystone mine at Ferris. VEIN Freeport. Thickness 4½ ft. Drift. Machine mine. Daily capacity 350 tons.

LOCHRIE BROS. COAL CO., Windber, operates Pennsylvania Mine No. 1 at Butler. VEIN*. Thickness 4 ft. Drift. Machine mine. Daily capacity 400 tons.

MAINES COAL CO., Butler, operates mine at Butler. VEIN Freeport. Thickness 3 ft. Slope. Pick mine. Daily capacity 100 tons.

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PENNSYLVANIA—Butler County—B. & L. E. R. R.—(Continued)

MIZENER COAL CO., Erie, operates Grant mine at Claytonia. VEIN Kittanning. Thickness*.

MUTUAL COAL MINING CO., Grove City, operates Royle mine at Argentine. VEIN Brookville. Thickness 4 ft. Drift. Machine mine. Daily capacity 350 tons. Analysis on file.

NELLIE COAL CO., Buffalo, N. Y., operates Nellie mine at Argentine. VEIN Brookville "B." Thickness 3 ft. 8 in. Slope. Machine mine. Daily capacity 300 tons.

SCOTT COAL CO., THE W. L., Erie, operates Branchton mine at Branchton. VEIN Brookville. Thickness 4 ft. Drift. Machine mine. Trade name "Branchton." Analysis on file.

SHENANGO COAL CO., New Castle, operates Shenango mine at Grove City. VEIN Brookville. Thickness 3 ft. 8 in. Shaft. Machine mine. Daily capacity 350 tons. Trade name "Shenango." Analysis on file.

SHERWIN, P. D., Butler, operates Enterprise and Sherwin mines at Karns City and Sherwin respectively. (See B. & O. R. R.)

STAGE & SON, G. G., Greenville, operates Stage mine at Claytonia. VEIN Middle Kittanning. Thickness 3 ft. Drift. Machine mine. Daily capacity 200 tons.

STANDARD COAL MINING CO., Grove City, operates Standard mine at Argentine. VEIN Brookville. Thickness 4 ft. 2 in. Drift. Pick mine. Daily capacity 350 tons.

WILDWOOD COAL CO., Boyers, operates Wildwood mine at Annandale. VEIN Clarion. Thickness 5½ ft. Drift. Pick mine. Daily capacity 150 tons.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

CLARK COAL & COKE CO., Pittsburgh, operates Clark's mine at Freeport. (See Armstrong Co., P. R. R.)

SHARON COAL & LIMESTONE CO., Pittsburgh, operates mines Nos. 3 and 4 at Slippery Rock. VEIN Kittanning. Thickness 3 ft. Drift. Pick mine. Daily capacity 600 tons.

WESTERN ALLEGHENY RAILROAD.

SHERWIN, S., Karns City, operates Kincaid mine at Fairmont. VEIN Freeport. Thickness 4 ft. Drift and Slope. Machine mine. Daily capacity 300 tons. Trade name "Kincaid." Analysis on file.

CAMBRIA COUNTY—County Seat, Ebensburg.

BALTIMORE & OHIO RAILROAD.

CITIZENS COAL CO., Johnstown, operates Dale, Green Hill and Gautier mines at Johnstown. (Also P. R. R.) VEINS "C" Prime, and "B" or Miller. Thickness 3½ and 4 ft. respectively. Drifts and Slopes. Pick mines. Daily capacity 500 tons.

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PENNSYLVANIA—Cambria County—B. & O. R. R.—(Continued)

INGLESIDE COAL CO., Johnstown, operates Ingleside mine at Walsall. VEIN "B" or Miller. Thickness 4 ft. Drift. Pick mine. Daily capacity 500 tons. Analysis on file.

SUNNYSIDE COAL CO., Johnstown, operates Sunnyside mine at Johnstown. (Also P. R. R.) VEIN "C" Prime or Cement. Thickness 3 ft. 8 in. Slope. Pick mine. Daily capacity 650 tons.

VALLEY COAL & STONE CO., Johnstown, operates Valley mines Nos. 1 and 2 at Johnstown. VEIN Cement or Upper Kittanning. Thickness 63 in. Drift. Pick mine. Daily capacity 1500 tons. Trade name "Valley Smokeless."

BUFFALO, ROCHESTER & PITTSBURGH RAILWAY.

VINTON COLLIERY CO., Philadelphia, operates mine No. 6 at Vintondale. (Also P. R. R.) VEIN "B" or Miller. Thickness 3½ ft. Slope. Pick mine. Daily capacity 1000 tons. Trade name "Vinton." Analysis on file.

JOHNSTOWN & STONY CREEK RAILROAD.

SUNNYSIDE COAL CO., Johnstown, operates Sunnyside mine at Johnstown. VEIN "C" Prime or Cement. Thickness 3 ft. 10 in. Slope. Pick mine. Daily capacity 600 tons. Analysis on file.

NEW YORK CENTRAL & HUDSON RIVER RAILROAD.

CLEARFIELD BIT. COAL CORPOATION, Clearfield, operates West Branch mine at Barnesboro. VEIN "D." Thickness*. Drift. Machine mine. Daily capacity 750 tons.

EMPIRE COAL MINING CO., Clearfield, operates Empire "A" mine at Barnesboro. VEIN "D." Thickness*. Drift. Machine mine. Daily capacity 700 tons.

MILSOM COAL CO., Osceola Mills, operates Milsom mine at Carrolltown. VEINS "C" and "D." Thickness 3 ft. 4 in. and 4 ft. 5 in. respectively. Pick mine. Mine just developing.

PATTON CLAY MFG. CO., Patton, operates Patton shaft at Patton. (Also P. R. R.) VEIN "C" Prime. Thickness 5 ft. Shaft. Pick mine. Daily capacity 100 tons.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

AETNA COAL MINING CO., Portage, operates Aetna mine No. 1 at Portage. VEIN Upper Freeport. Thickness 5 ft. Slope. Pick mine. Daily capacity 300 tons. Analysis on file.

ALLPORT COAL CO., Barnesboro, operates Allport mine No. 1 at Barnesboro. VEIN "D.' Thickness 4 ft. 4 in. Drift. Machine mine. Daily capacity 750 tons. Trade name "Allport."

ALTON COAL CO., THE, Philadelphia, operates Alton mine at Lloydell. VEIN B-Miller. Thickness 3½ ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "Alton." Analysis on file.

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PENNSYLVANIA—Cambria County—P. R. R.—(Continued)

ALTOONA COAL & COKE CO., Altoona, operates Delaney mine No. 5 at Delaney. VEIN Lemon (E). Thickness 4 ft. Drift. Machine and Pick mine. Daily capacity 1200 tons. Trade name "Delaney." Analysis on file.

BEAR ROCK COAL CO., Lilly, operates Bear Rock Colliery at Lilly. VEIN Blossburg. Thickness 4 ft. Drift. Pick mine. Daily capacity 100 tons. Trade name "Sonman." Analysis on file.

BEAVER RUN COAL CO., Beaverdale, operates Beaver Run mine at Beaverdale. VEIN Lemon. Thickness 4 ft. Drift and Slope. Machine mine. Daily capacity 400 tons. Analysis on file.

BELLFIELD COAL & COKE CO., Altoona, operates Ben mine No. 5 at Figart. VEIN Miller. Thickness 4 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Bellfield."

BEN'S CREEK COAL MINING CO., Altoona, operates Ben's Creek mine No. 1 at Ben's Creek. VEIN "B." Thickness 3½ ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

BEN'S CREEK-SONMAN COAL CO., Minersville, operates Ben's Creek mine at Ben's Creek. VEIN Miller. Thickness 4 ft. Shaft. Pick mine. Daily capacity 250 tons.

CITIZENS COAL CO., Johnstown, operates Dale, Green Hill and Gautier mines at Johnstown. (See B. & O. R. R.)

COLONIAL COAL CO., Puritan, operates mines at Puritan. VEIN "B." Thickness 5 ft. Drift and Slope. Pick mines. Daily capacity 600 tons. Trade name "Colonial." Analysis on file.

COMMERCIAL COAL MINING CO., Philadelphia, operates Commercial Collieries Nos. 3, 4 and 5 at Twin Rocks. VEIN "B" or Miller. Thickness 3 ft. 10 in. Slopes. Pick and Machine mines. Daily capacity 2400 tons. Trade name "Star."

DERINGER BROS., Spangler, operates Woodland mine No. 2 at Gorman. VEIN "D" or Moshannon. Thickness 4 to 4½ ft. Drift. Pick mine. Daily capacity 450 tons. Trade name "Woodland." Analysis on file.

DUNCAN-SPANGLER COAL CO., Philadelphia, operates Blubaker mine No. 13 at Spangler. VEIN "D" or Moshannon. Thickness 3½ to 4 ft. Drift. Pick mine. Daily capacity 800 tons. Trade name "Blubaker." Analysis on file.

Same Company operates Delta mine at Spangler. VEIN "D" or Moshannon. Thickness 3½ to 4 ft. Drift. Machine mine. Daily capacity 1200 tons. Trade name "Delta." Analysis on file.

EASTERN BITUMINOUS COAL MINING CO., Philadelphia, operates Dean mine No. 8 at Frugality. VEIN "E." Thickness 40 in. Drift. Machine and Pick mine. Daily capacity 500 tons.

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PENNSYLVANIA—Cambria County—P. R. R.—(Continued)

Same Company operates Dean mines Nos. 9 and 10 at Frugality. VEIN "C" Prime. Thickness 5 ft. Drifts. Machine and Pick mines. Daily capacity 1300 tons.

ESTEP BROS. COAL MINING CO., Nant-Y-Glo, operates Ivory Hill mine at Nant-Y-Glo. VEIN "B" or Miller. Thickness 3 ft. 8 in. Slope. Pick mine. Daily capacity 500 tons. Trade name "Ivory Hill." Analysis on file.

FEDERAL COAL & COKE CO., Puritan, operates mines Nos. 4 and 5 at Puritan. VEIN "B." Thickness 5 ft. Drift and Slope. Pick mines. Daily capacity 1000 tons. Trade name "Knickerbocker." Analysis on file.

GOULD & BRO., W. A., Brisbin, operates Black Diamond mine at Carrolltown. VEIN "D." Thickness 4 ft. 8 in. Drift. Pick mine. Daily capacity 150 tons.

HASTINGS COAL & COKE CO., Cherry Tree, operates Kinport mine No. 1 at Kinport. VEIN "D." Thickness 3 ft. 4 in. Drift. Pick mine. Daily capacity 300 tons. Trade name "Kinport." Analysis on file.

HENRIETTA COAL MINING CO., Altoona, operates Henrietta mine No. 2 at Llanfair. VEIN "B" or Miller. Thickness 4 ft. Shaft. Pick mine. Daily capacity 1450 tons. Trade name "Henrietta." Analysis on file.

KENNERLY, J. BLAIR, Philadelphia, operates Beccaria mine at Clasgow. VEIN "E." Thickness average 3 ft. Drift. Pick mine. Daily capacity 400 tons. Trade name "Beccaria"
Same Company operates Valley Smokeless mine No. 3 at Mineral Point. VEIN South Fork Miller. Thickness 4½ ft. Drift. Pick mine. Daily capacity 600 tons. Trade name "Valley Smokeless."

LEAHEY COAL MINING CO., Lilly, operates Leahey mine No. 1 at Bens Creek. VEIN "B." Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "Sonman." Analysis on file.
Same Company operates Leahey mine No. 2 at Lilly. VEIN "E." Thickness 4 ft. Slope. Pick mine. Daily capacity 300 tons. Trade name "Moshannon." Analysis on file.

LILLY COAL CO., Altoona, operates mine No. 2 at Lilly. VEIN "B" or Miller. Thickness 3½ ft. Drift. Pick mine. Daily capacity 750 tons. Trade name "Keystone Smithing." Analysis on file.

LINCOLN COAL CO., New York, N. Y., operates Lincoln mine at Nant-Y-Glo. VEIN Miller. Thickness 4 ft. Drift. Machine mine. Daily capacity 500 tons. Trade name "Lincoln." Analysis on file.

LOGAN COAL CO., Philadelphia, operates Mine No. 1 at Dunlo and No. 4 at Beaverdale. VEIN Miller. Thickness 4 ft. Slopes. Pick mines. Daily capacity 1850 tons. Trade name "Logan." Analysis on file.
Same Company operates mine No. 5 at Carrolltown. VEIN Miller. Thickness 3½ ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "Miller." Analysis on file.

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PENNSYLVANIA—Cambria County—P. R. R.—(Continued)

MADERIA-HILL COAL MINING CO., Clearfield, operates Spangler mines Nos. 2, 3 and 4 at Barnesboro. VEINS "D," "D and E," and Miller respectively. Thickness 4 ft. Drifts and Shaft. Machine and Pick mines. Daily capacity 1800 tons. Analysis of No. 4 on file.
Same Company operates Spangler mine No. 1 at Spangler. VEIN "D." Thickness 4 ft. Drift. Pick mine. Daily capacity 300 tons.

MARYLAND COAL CO., of PENNSYLVANIA, New York, N. Y., operates Coleman Shaft at St. Michaels. VEIN Miller. Thickness 4 ft. Shaft. Machine and Pick mine. Daily capacity 2000 tons. Trade name "Coleman Shaft."

MILLER COAL CO., Philadelphia, operates Miller Shaft No. 1 at Portage. VEIN Miller. Thickness average 4 ft. Shaft. Pick mine. Daily capacity 600 tons.

MILLER RUN COAL CO., Hastings, operates Miller Run colliery at Hastings. VEIN "B." Thickness 4 ft. 4 in. Drift. Pick mine. Daily capacity 150 tons. Analysis on file.

MORRELLVILLE COAL MINING CO., Philadelphia, operates Morrellville mine at Johnstown. VEIN "B" or Miller. Thickness 3 ft. 8 in. to 4 ft. 2 in. Drift. Pick mine. Daily capacity 500 tons. Trade name "Morrellville Smokeless." Analysis on file.

OAK RIDGE COAL & COKE CO., Hastings, operates Oak Ridge mine No. 1 at Hastings. VEIN "D." Thickness 4 ft. 4 in. Drift. Machine mine. Daily capacity 600 tons. Analysis on file.
Same Company operates Oak Ridge mine No. 2 at Hastings. VEIN "E." Thickness 3½ ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

PATTON CLAY MFG. CO., Patton, operates Patton Shaft at Patton. (See N. Y. C. & H. R. R. R.)

PEARCE & SONS, GEO., Puritan, operates Excelsior collieries Nos. 1 and 2 at Puritan. VEINS "E" and "C" Prime. Thickness, each, 4 ft. Drifts. Pick mines. Daily capacity 800 tons. Analysis on file.

PEERLESS COAL MINING CO., Philadelphia, operates Peerless mine No. 1 at Bakerton. VEIN Miller. Thickness 3 ft. Drift. Pick mine. Daily capacity 175 tons. Trade name "Peerless." Analysis on file.

PIPER & CO., W. H., Philadelphia, operates Sonman mines Nos. 2 and 4 at Lilly. VEIN "B" or Miller. Thickness 3 ft. 4 in. Slope and Drift respectively. Pick mines. Daily capacity 900 tons. Trade name "Sonman."

PLYMOUTH COAL MINING CO., Philadelphia, operates Plymouth mine at Portage. VEIN "C." Thickness*. Drift. Pick mine. Daily capacity 500 tons. Trade name "Plymouth." Analysis on file.

* NOT REPORTED

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PENNSYLVANIA—Cambria County—P. R. R.—(Continued)

PORTAGE COAL MINING CO., Portage, operates Portage mines Nos. 2, 3 and 4 at Portage. VEINS "E" and "C" Prime. Thickness 4 ft. 2 in. to 4 ft. 10 in. Drift, Slope and Shaft. Machine mines. Daily capacity 2200 tons. Analysis on file.

PRINCESS COAL MINING CO., Philadelphia, operates mines Nos. 6 and 8 at Puritan. VEINS Miller and Cement. Thickness 4 ft. Drift and Slope. Pick mines. Daily capacity 350 tons.

PRISCILLA COAL MINING CO., Philadelphia, operates Priscilla mine No. 1 at South Fork. VEIN "B" or Miller. Thickness 4 ft. Drift. Pick mine. Daily capacity 400 tons. Trade name "Priscilla." Analysis on file.

PURITAN COAL MINING CO., New York, N. Y., operates Puritan shaft and Plane mine No. 1 at Puritan. VEINS "B" and "E" respectively. Thickness 5 ft. each. Shaft and Incline. Pick mines. Daily capacity 1500 tons. Trade name "Puritan." Analysis on file.

RED TOP COAL CO., Hastings, operates Red Top mine No. 2 at Hastings. VEIN "B." Thickness 34 in. Drift. Pick mine. Daily capacity 125 tons. Analysis on file.

RICH HILL COAL CO., Hastings, operates Rich Hill mine at Hastings. VEINS "E" and "D." Thickness 3½ ft. and 4 ft. 8 in. respectively. Drift. Pick mine. Daily capacity 500 tons. Trade name "Rich Hill." Analysis on file.

SHOEMAKER COAL MINING CO., Philadelphia, operates Wilmore mines Nos. 1 and 2 at Sonman. VEIN Sonman Basin. Thickness 4 ft. Drifts. Pick mines. Daily capacity 1700 tons. Trade name "Wilmore."

SMITH & CO., A., Dysart, operates Superior mines Nos. 4, 5 and 6 at Dysart. VEINS "B" and "C." Thickness 4½ to 6 ft. Drifts. Machine and Pick mines. Daily capacity 400 tons. Analysis on file.

SONMAN SHAFT COAL CO., Minersville, operates Sonman mine at Sonman. VEIN Miller. Thickness 4 ft. Shaft. Pick mine. Daily capacity 1050 tons.

SOUTH FORK COAL MINING CO., Philadelphia, operates South Fork mines Nos. 1 and 2 at South Fork. VEIN "B" or Miller. Thickness 3 ft. 8 in. to 4 ft. 2 in. Slopes. Pick mines. Daily capacity 1200 tons. Trade name "South Fork." Analysis on file.

SPRINGFIELD COAL MINING CO., Ebensburg, operates Springfield mine No. 1 at Nant-Y-Glo. VEIN "B" or Miller. Thickness 4 ft. Slope. Machine mine. Daily capacity 550 tons. Trade name "Springfield." Analysis on file.

STINEMAN, H. C., South Fork, operates Stineman mine No. 5 at South Fork. VEIN "C" Prime. Thickness 4 ft. Drift. Pick mine. Daily capacity 450 tons. Analysis on file.

STINEMAN COAL CO., O. M., South Fork, operates Stineman mine No. 3 at South Fork. VEIN Cement. Thickness 4 ft. Slope. Pick mine. Daily capacity 300 tons.

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PENNSYLVANIA—Cambria County—P. R. R.—(Continued)

STYER, SAMUEL, Philadelphia, operates Radnor mine at Mineral Point. VEIN Miller. Thickness 4½ to 5 ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "Radnor."

SUNNYSIDE COAL CO., Johnstown, operates Sunnyside mine at Johnstown. (See B. & O. R. R.)

TUNNEL COALING CO., Greensburg, operates mine No. 2 at Gallitzin. VEIN Lemon or "E." Thickness*. Drift. Machine and Pick mine.

VINTON COLLIERY CO., Philadelphia, operates mines Nos. 1, 3, and 5 at Vintondale. VEIN "B" or Miller. Thickness 3½ ft. Drift, Incline and Slopes. Pick mines. Daily capacity 2100 tons. Trade name "Vinton." Analysis on file.

Same Company operates mine No. 6 at Vintondale. (See B. R. & P. R. R.)

WOODLAND COAL & COKE CO., Spangler, operates Woodland mine No. 1 at Spangler. VEIN "D" or Moshannon. Thickness 4 ft. Drift. Pick mine. Daily capacity 400 tons. Trade name "Woodland." Analysis on file.

YELLOW RUN COAL MINING CO., Philadelphia, operates Yellow Run shaft at Dunlo. VEIN "B" or Miller. Thickness 3½ ft. Shaft. Daily capacity 1000 tons. Trade name "Yellow Run." Analysis on file.

PENNSYLVANIA & NORTHWESTERN RAILROAD—(PENNA. LINES)

FRICK, ESTATE OF MAX, New York, N. Y., operates Bear Loop mine No. 1 at Figart. VEIN "C" Prime. Thickness 2 ft. 10 in. Drift. Pick mine. Daily capacity 100 tons. Analysis on file.

Same Company operates Figart Run mine No. 2 at Figart. VEIN "B." Thickness 4½ ft. Drift. Pick mine. Daily capacity 150 tons. Analysis on file.

SCHMITTLE, J. E., Glasgow, operates Pleasant Hill colliery at Glasgow. VEIN "E." Thickness 32 in. to 3 ft. Drift. Pick mine. Daily capacity 100 tons. Analysis on file.

CAMERON COUNTY—County Seat, Emporium.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

EMPORIUM IRON CO., Canoe Run, operates Mt. Hope mine at Canoe Run. VEIN Lower Freeport. Thickness 3 ft. 8 in. Drift. Pick mine. Daily capacity 300 tons. Analysis on file.

CENTRE COUNTY—County Seat, Bellefonte.

NEW YORK CENTRAL & HUDSON RIVER RAILROAD.

KELLY, THOMAS F., Clarence, operates Cato mine at Cato. VEIN "B." Thickness 3½ ft. Drift. Pick mine. Daily capacity 250 tons.

LEE, THOS. J., Philipsburg, operates Chester mine at Philipsburg. VEIN "B." Thickness 3 ft. 8 in. to 4 ft. Drift. Machine and Pick mine. Daily capacity 350 tons. Trade name "Chester." Analysis on file.

RED BANK COAL CO., Philipsburg, operates Bloomington mine "S & T" at One Mile Run. VEIN "A." Thickness 4½ ft. Drift. Pick mine. Daily capacity 200 tons.

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PENNSYLVANIA—Centre County—(Continued)

PENNSYLVANIA RAILROAD—(PENNA. LINES)

ANDA COAL CO., Houtzdale, operates Mountain Branch mines "A" and "B" in Rush Township. VEINS "A" and "B" respectively. Thickness 6 ft. and 2 ft. 8 in. respectively. Drifts. Pick mines. Daily capacity mine "A" 100 tons.

BLAIR BROS. COAL CO., Tyrone, operates Orient mines Nos. 2 and 3 at Powelton. VEINS "A" and "B." Thickness 4½ and 5 ft. respectively. Drift and Incline. Pick mines. Daily capacity 500 tons.

CENTRE COAL & COKE CO., Osceola Mills, operates Weston and Union mine No. 3 at Osceola Mills. VEIN "B" or Miller. Thickness 4½ to 5 ft. Drifts. Pick mines. Daily capacity 1000 tons. Analysis on file.

GHEM COAL CO., Osceola Mills, operates Ghem mine at Osceola Mills. VEIN "B." Thickness 4 ft. 10 in. Drift. Pick mine. Daily capacity 300 tons. Trade name "Ghem."

HEATH BROS., Sandy Ridge, operates Reese mine at Powelton. VEIN "B." Thickness 3½ ft. Drift. Pick mine. Daily capacity 60 tons. Analysis on file.

KELLEY BROS. COAL CO., Snow Shoe, operates Cherry Run mine No. 2 at Snow Shoe. VEIN "B." Thickness 3½ ft. Drift. Pick mine. Daily capacity 400 tons. Trade name "Cherry Run."

MILSOM COAL CO., CHAS. H., Osceola Mills, operates Powelton mine at Osceola Mills. VEIN "B" or Miller. Thickness 5 ft. Drift. Pick mine. Daily capacity 100 tons.

MOSHANNON COAL MINING CO., Osceola Mills, operates Moshannon mine No. 10 at Osceola Mills. VEIN "B" or Miller. Thickness 4½ to 5 ft. Drift. Machine mine. Daily capacity 1000 tons. Analysis on file.

WHITEHEAD & CO., G. L., THE, Osceola Mills, operates Peerless mine No. 4 near Osceola Mills. VEIN "B." Thicknes 3½ ft. Drift. Pick mine. Daily capacity 150 tons. Analysis on file.
Same Company operates Peerless mine No. 6 near Osceola Mills. VEIN Moshannon. Thickness 6 ft. Drift. Pick mine. Daily capacity 100 tons.

CLARION COUNTY—County Seat, Clarion.

PENNSYLVANIA RAILROAD—(PENNA. LINES).

ACME COAL MINING CO., Greensburg operates Acme and Avondale mines at Rimersburg. VEIN Lower Kittanning. Thickness 4 ft. Drifts. Machine and Pick mines. Daily capacity 800 tons. Trade name "Acme." Analysis on file.

CLARION COAL MINING CO., Philipsburg, operates Clarion mine at Cherry Run. VEIN Lower Kittanning. Thickness 3½ ft. Drift. Machine mine.

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PENNSYLVANIA—Clarion County—P. R. R.—(Continued)

EAGLE COAL CO., Buffalo, N. Y., operates Eagle mine at Upperhillville. VEIN Kittanning. Thickness 3 ft. 8 in. Drift. Machine mine. Daily capacity 500 tons.

FAIRMONT COAL CO., Buffalo, N. Y., operates Fairmont mine No. 4 at New Bethlehem. VEIN Lower Freeport. Thickness 3½ to 4 ft. Drift. Machine mine. Daily capacity 500 tons.

Same Company operates Fairmont mine No. 5 at New Bethlehem. VEIN Kittanning. Thickness 3½ ft. Drift. Machine mine. Daily capacity 500 tons.

GLENORA COAL MINING CO., Buffalo, N. Y., operates Goss mine at Catfish. VEIN Lower Kittanning. Thickness 3½ ft. Drift. Machine mine. Daily capacity 300 tons. Analysis on file.

HEDSTROM COAL MINING CO., Buffalo, N. Y., operates Dutch Hill mine at Monterey. VEIN Upper Kittanning. Thickness 3½ ft. Drift. Machine mine. Daily capacity 350 tons. Trade name "Dutch Hill."

HILLVILLE COAL CO., Buffalo, N. Y., operates Hillville mine at Upper Hillville. VEIN Lower Kittanning. Thickness 3 to 4 ft. Drift. Machine mine. Daily capacity 500 ton. Analysis on file.

KEYSTONE COLLIERIES, INC., THE, Rochester, N. Y., operates Standard mines Nos. 1 and 2 at Rimersburg. VEIN Lower Kittanning. Thickness 4 ft. Slopes. Machine mines. Daily capacity 350 tons.

Same Company operates Monroe and Joselyn mines at Rimersburg. VEIN Lower Kittanning. Thickness 4 ft. Shafts. Machine mines. Daily capacity 1600 tons. Trade name "Keystone."

Same Company operates Keystone mine at Lawsontown. VEIN Lower Kittanning. Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons.

KEYSTONE MINING CO., East Brady, operates Sterling mine at Sterling and Sarah Furnace mine at Keystone Store. VEIN Lower Kittanning. Thickness 4 ft. Drifts. Pick and Machine mines. Daily capacity 800 tons. Trade name "Sterling" and "Bradys Bend." Analysis on file.

MILLER, J. B., Sligo, operates Mineral Run mine at Sligo. VEIN Brookville "A." Thickness 4 ft. Drift. Machine mine. Daily capacity 50 tons.

MONARCH COAL CO., East Brady, operates Monarch mine at Red Bank. VEIN Lower Kittanning. Thickness 4 ft. Drift. Machine mine. Daily capacity 400 tons. Analysis on file.

PENN MINING CO., Greensburg, operates Penn mine at Rimersburg. VEIN Lower Kittanning. Thickness 4 ft. Drift. Machine and Pick mine. Daily capacity 250 tons. Trade name "Penn." Analysis on file.

PRESTON COAL CO., Pittsburgh, operates Preston mine at West Monterey. VEIN Clarion. Thickness 3 ft. Drift. Machine mine. Daily capacity 200 tons.

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CYRUS H. POLLEY, President

Prudential Building, - - BUFFALO, N. Y.

PENNSYLVANIA—Clarion County—P. R. R.—(Continued)

SLIGO COAL & COKE CO., Sligo, operates mine at Sligo. VEIN Clarion. Thickness 3½ ft. Drift. Machine mine.

PITTSBURG, SUMMERVILLE & CLARION RAILROAD.

BALDAUF COAL & COKE CO., Punxsutawney, operates Baldauf mine at Waterson. VEIN Upper Kittanning. Thickness 4 ft. Drift. Pick mine. Daily capacity 500 tons.

OWENS MINING CO., Clarion, operates Owens mine at Owens Flag Station. VEIN Lower Kittanning. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 200 to 300 tons.

WILSON COAL & COKE CO., Clarion, operates Elss mine at Elss Station. VEIN Lower Kittanning. Thickness 3 to 4 ft. Slope. Pick mine. Daily capacity 300 to 400 tons.

CLEARFIELD COUNTY—County Seat, Clearfield.

BUFFALO, ROCHESTER & PITTSBURGH RAILWAY.

CLEARFIELD COLLIERY CO., Clearfield, operates Bloom mine No. 1 at Cowansville. VEIN "D." Thickness*. Drift. Pick mine. Daily capacity 250 tons. Trade name "3C."

CLEARFIELD STEEL & IRON CO., Pittsburg, operates mine at Hyde. VEIN Moshannon. Thickness 3½ ft. Drift. Pick mine. Daily capacity 100 tons.

FALLS CREEK COAL CO., Buffalo, N. Y., operates Falls Creek mine at Falls Creek. (Also P. R. R.) VEIN Freeport. Thickness 5 to 6 ft. Drift. Machine mine. Daily capacity 1000 tons. Trade name "Falls Creek." Analysis on file.

BUFFALO & SUSQUEHANNA RAILROAD.

BUFFALO & SUSQUEHANNA COAL & COKE CO., Buffalo, N. Y., operates DuBois Shafts Nos. 1 and 2 at DuBois. VEIN Lower Freeport. Thickness 6 ft. Shafts. machine mines. Daily capacity 4000 tons.

CASCADE COAL & COKE CO., Buffalo, N. Y., operates Tyler mine at Tyler. (Also P. R. R.) VEIN*. Thickness*. Drift. Pick mine.

ERIE RAILROAD.

NORTHWESTERN MINING & EXCHANGE CO., New York, N. Y., operates Eriton mine at Eriton. VEIN "D" Lower Freeport. Thickness 54 in. Shaft. Machine mine. Daily capacity 2600 tons.

NEW YORK CENTRAL & HUDSON RIVER RAILROAD.

BELLMORE COAL CO., Burnside operates Burnside mine at Burnside. VEIN "D." Thickness 3½ ft. Drift. Pick mine. Daily capacity 75 tons. Analysis on file.

BULAH SHAFT COAL CO., Ramey, operates Bulah shaft No. 1 at Ramey. (Also P. R. R.) VEIN "D" or Moshannon. Thickness*. Shaft. Pick mine. Daily capacity 1000 to 1200 tons. Analysis on file.

*NOT REPORTED

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PENNSYLVANIA—Clearfield County—Erie R. R.—(Continued)

CLEARFIELD BIT. COAL CORPORATION, Clearfield, operates Gazzam mine at Gazzam. VEIN "D." Thickness*. Drift. Pick mine. Daily capacity 250 tons.

Same Company operates Pleasant Hill, Grass Flat and Knox Run mines at Peale. VEIN "B." Thickness*. Drifts. Pick mines. Daily capacity 1985 tons.

CLEARFIELD COLLIERY CO., Clearfield, operates Caldwell mine No. 2 at Cowansville. VEIN "D." Thickness*. Drift. Pick mine. Daily capacity 500 tons. Trade name "3 C."

CLEARFIELD & CAMBRIA COAL & COKE CO., Port Deposit, Md., operates Lee Hollow mine at La Jose. (Also P. R. R.) VEIN Upper Freeport or "E." Thickness 3 ft. Drift. Machine and Pick mine. Daily capacity 1000 tons.

CORONA COAL & COKE CO., Madera, operates Shoff mine at Madera. VEIN "B." Thickness 3 to 5½ ft. Drift. Pick mine. Daily capacity 300 tons. Analysis on file.

GRAHAM COAL CO., Inc., Philipsburg, operates Hartley mine at Graham Station. VEIN "B." Thickness 2 ft. 10 in. Slope. Machine and Pick mine. Daily capacity 200 tons. Trade name "Hartley." Analysis on file.

Same Company operates Phoenix mine No. 2 at Oak Grove. VEIN Moshannon "D." Thickness 4 ft. 8 in. Drift. Pick mine. Daily capacity 100 tons. Trade name "Phoenix." Analysis on file.

HARBISON-WALKER REFRACTORIES CO., Pittsburgh, operates Plane mine at Woodland. VEIN "C." Thickness 2½ to 3 ft. Drift. Pick mine. Daily capacity 100 tons.

HOLT, W. F., Philipsburg, operates Phoenix mine at Hawk Run. VEIN "E." Thickness 3 ft. Drift. Pick mine. Daily capacity 100 tons. Analysis on file.

IRISH BROS. COAL CO., Philipsburg, operates Colorado mine No. 5 at Munson Station. VEIN "B." Thickness 3 ft. 10 in. Drift. Machine and Pick mine.

Same Company operates Jefferson mines Nos. 1 and 2 at Philipsburg. (Also P. R. R.) VEINS "E" and Moshannon respectively. Thickness 3 and 4½ ft. respectively. Drifts. Pick mines.

Same Company operates Cuba mines Nos. 1 and 2 at Cuba Mines. VEINS "E" and Moshannon. Thickness 3 and 4½ ft. respectively. Drifts. Pick mines.

LEE, THOS. J., Philipsburg, operates Davis mine at Hawk Run. VEIN Moshannon. Thickness 4½ ft. Drift. Pick mine. Daily capacity 150 tons. Trade name "Davis."

LITTLE CREEK COAL & COKE CO., Clearfield, operates O'Shanter mine at O'Shanter. VEINS "D" and "E." Thickness 2½ ft. Drift and Incline. Pick mine. Daily capacity 100 tons.

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PENNSYLVANIA—Clearfield County—Erie R. R.—(Continued)

MOSHANNON COAL MINING CO., Osceola Mills, operates Moshannon mines Nos. 7, 8 and 9, Electric Nos. 1 and 2, Lenore Nos. 1 and 2 and Centre mine at Osceola Mills. (Also P. R. R.) VEIN "D" Moshannon. Thickness 5 to 6 ft. Drifts. Pick mines. Daily capacity 2700 tons. Trade name "Moshannon." Analysis on file.

OLANTA COAL MINING CO., Hollidaysburg, operates Olanta mines Nos. 1 and 2 at Olanta. VEINS "B" and "C." Thickness 3 ft. 8 in. Drifts. Machine and Pick mines. Daily capacity 300 tons. Trade name "Olanta Steaming."

O'SHANTER COAL CO., Philipsburg, operates Manhattan mine at O'Shanter. VEIN "B." Thickness 3 ft. Drift. Pick mine.

POTTER, BIGLER & POTTER, Inc., Clearfield, operates Horseshoe mine at Karthaus. VEIN "B." Thickness*. Pick mine. Daily capacity 150 tons.

POTTS RUN LAND CO., Clearfield, operates Potts Run mines Nos. 2 and 3 at Boardman. VEIN "B" or Miller. Thickness 38 to 45 in. Drifts. Pick mines. Daily capacity 1500 tons.

RED JACKET COAL CO., Philipsburg, operates Gearhart mine at Gearhartville. (Also P. R. R.) VEIN "E." Thickness 3 ft. 4 in. Drift. Pick mine.

STAGE, ISAAC, Clearfield, operates Karthaus colliery No. 1 at Karthaus. VEIN "B." Thickness 3½ ft. Drift and Incline. Pick mine. Daily capacity 100 tons.

VICTORIA COAL MINING CO., New York, N. Y., operates Acme mine at Hawk Run. VEIN "B." Thickness*. Drift and Slope. Pick mine. Daily capacity 1000 tons. Trade name "Acme."

PENNSYLVANIA RAILROAD—(PENNA. LINES)

BERWINDALE COAL & COKE CO., Philadelphia, operates Cheston mine near Irvona. VEIN Moshannon. Thickness 4 ft. Drift. Pick mine.

BETZ COAL MINING CO., Philadelphia, operates Betz mine No. 2 at Madera. VEIN "B." Thickness 4½ to 5 ft. Drift. Pick and Machine mine. Daily capacity 500 tons. Analysis on file.

BLAIN RUN COAL CO., Coalport, operates mine No. 1 at Coalport. VEIN "B" or Miller. Thickness 4 ft. 8 in. Drift. Pick mine. Daily capacity 400 tons. Analysis on file.

BLYTH COAL CO., Clearfield, operates Blyth Shaft at Madera. VEIN "B." Thickness 5½ ft. Shaft. Machine and Pick mine. Mine just developing. Analysis on file.

BRISBIN COAL MINING CO., Philadelphia, operates Mascot mine No. 1 at Huntzdale. VEIN "B." Thickness 4 ft. Drift. Pick mine. Daily capacity 50 tons.

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PENNSYLVANIA—Clearfield County—P. R. R.—(Continued)

BULAH COAL CO., Ramey, operates Webster mine No. 4 at Bulah. VEIN "D" or Moshannon. Thickness*. Drift. Pick mine. Daily capacity 600 to 800 tons. Analysis on file.

BULAH SHAFT COAL CO., Ramey, operates Bulah Shaft No. 1 at Ramey. (See N. Y. C. & H. R. R. R.)

BURNS, M., Brisbin, operates Penn mines Nos. 2 and 3 at Grampian. VEIN Moshannon. Thickness 4 ft. Drift. Pick mine. Daily capacity 250 tons.

CASCADE COAL & COKE CO., Buffalo, N. Y., operates Tyler mine at Tyler. (See Buffalo & Susquehanna Ry.)

CLEARFIELD COAL CO., Madera, operates Becarria mine at Becarria. VEIN "D" or Moshannon. Thickness 2½ to 3 ft. Drift. Pick mine. Daily capacity 50 tons. Trade name "King Cole." Analysis on file.

CLEARFIELD COAL MINING CO., Clearfield, operates Penn mine No. 4 at Osceola Mills. VEIN Miller. Thickness 3½ ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

CLEARFIELD & CAMBRIA COAL & COKE CO., Port Deposit, Maryland, operates Lee Hollow mine at La Jose. (See N. Y. C. & H. R. R. R.)

CLEARMONT COAL MINING CO., Philadelphia, operates Clearmont mine at Houtzdale. VEIN "E" or Cap. Thickness 3 ft. Drift. Pick mine. Daily capacity 100 tons.

Same Company operates Clearmont mine at Houtzdale. VEIN "D" or Moshannon. Thickness 5 ft. Drift and Slope. Pick mine. Daily capacity 150 tons. Trade name "Clearmont."

CORONA COAL & COKE CO., Madera, operates Bucher mine at Madera. VEIN "B." Thickness 3 to 5½ ft. Drift. Machine mine. Daily capacity 300 tons. Analysis on file.

Same Company operates Royal mine at Madera. VEIN "B." Thickness 3 to 5½ ft. Slope. Pick mine. Daily capacity 300 tons. Analysis on file.

Same Company operates White Oak mine at Madera. VEIN "B." Thickness 3 to 5½ ft. Slope. Machine mine. Daily capacity 300 tons. Analysis on file.

Same Company operates Corona, Davis and Hegarty mines at Madera. VEIN "B." Thickness 3 to 5½ ft. Drifts. Pick mines. Daily capacity 800 tons. Analysis on file.

DUNBAR COAL MINING CO., Altoona, operates Fairmont mines Nos. 1, 2 and 3 at Osceola Mills. VEIN "D" or Moshannon. Thickness 7 ft. Drifts. Pick mines. Daily capacity 450 tons. Analysis on file.

EASTON COAL CO., Easton, operates Easton mine at Mahaffey. VEIN*. Thickness 4 ft. Drift. Pick mine. Daily capacity 150 to 300 tons. Analysis on file.

FALLS CREEK COAL CO., Buffalo, N. Y., operates Falls Creek mine at Falls Creek. (See B. R. & P. R. R.)

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PENNSYLVANIA—Clearfield County—P. R. R.—(Continued)

FRANKLIN COAL CO., Ltd., Brisbin, operates Sterling mine No. 2 at Clearfield. VEIN Moshannon. Thickness 5½ ft. Drift. Pick mine. Daily capacity 100 tons.

GOULD & BRO., W. A., Brisbin, operates Midvale mines Nos. 1 and 2 at Brisbin and Midvale mine No. 1 at McCartney. VEIN Moshannon. Thickness 4½ to 5 ft. Drifts. Pick mines. Daily capacity 400 tons.
Same Company operates Henderson mine No. 5 at Brisbin. VEIN "B." Thickness 3½ ft. Slope. Machine and Pick mine. Daily capacity 200 tons.

HEGARTYS' SONS, S., Coalport, operate Oakland mines Nos. 2 and 3 at Coalport. VEIN "B" or Miller. Thickness 4 to 5 ft. Drifts. Pick mines. Daily capacity 500 tons. Trade names "Black Hawk" and "Oakland." Analyses on file.

HENRIETTA COAL CO., Ltd., Houtzdale, operates Henrietta mines Nos. 1, 2 and 4 at Houtzdale. VEIN Moshannon. Thickness 3 to 4 ft. Drifts and Slopes. Pick mines. Daily capacity 200 tons.

INDUSTRY COAL MINING CO., Philipsburg, operates Industry mine at Industry. VEIN Moshannon. Thickness 4 ft. Drift. Pick mine.
Same Company operates Niagara mine at Ashland. VEIN "B." Thickness 3 ft. Drift. Pick mine.

IRISH BROS. COAL CO., Philipsburg, operates Jefferson mines Nos. 1 and 2 at Philipsburg. (See N. Y. C. & H. R. R. R.)

IRVONA COAL & COKE CO., Philadelphia, operates Irvona mines Nos. 3, 5 and 10 at Blain City. VEIN "B." Thickness*. Drifts. Machine mines. Daily capacity 1500 tons. Trade name "Irvona." Analysis on file.

KELLY & SHADECK, Karthaus, operates Mosquito Creek mine at Clearfield. VEIN*. Thickness 3 ft. Drift. Pick mine. Daily capacity 70 to 100 tons.

KING COAL MINING CO., Ltd., Madera, operates King mine at Smith Mills. VEIN "D" Moshannon. Thickness 2½ to 3 ft. Drift. Pick mine. Daily capacity 100 tons. Trade name "King Cole." Analysis on file.

MADERIA-HILL COAL MINING CO., Clearfield, operates Clover Run mines Nos. 1, 2 and 4 in Bell Township. VEINS "D" and "C." Thickness*. Drifts. Pick mines. Daily capacity 600 tons.

MOHAWK COAL CO., New York, N. Y., operates Beaver mine at Philipsburg. VEIN "C" and "B." Thickness 3½ ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Mohawk." Analysis on file.

MORRISDALE COAL CO., THE, Philadelphia, operates Morrisdale Shafts. Nos. 1, 2 and 3 at Morrisdale Mines. VEIN "B." Thickness 4 ft. 10 in. Shafts. Machine and Pick mines. Daily capacity 2500 tons. Trade name "Morrisdale Bituminous." Analysis on file.

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PENNSYLVANIA—Clearfield County—P. R. R.—(Continued)

MOSHANNON COAL MINING CO., Osceola Mills, operates Moshannon mines Nos. 1 and 4 at Osceola Mills. VEIN "D" Moshannon. Thickness 5 to 6 ft. Drifts. Pick mines. Daily capacity 600 tons. Trade name "Moshannon." Analysis on file.

Same Company operates Moshannon mines Nos. 7, 8 and 9, Electric Nos. 1 and 2, Lenore Nos. 1 and 2 and Centre mine at Osceola Mills. (See N. Y. C. & H. R. R. R.)

MOUNTZ & CO., S. J., Morann, operates Viola mine at Janesville. VEIN "B." Thickness 5½ ft. Slope. Pick mine. Daily capacity 700 tons. Analysis on file.

Same Company operates Whiteside mine No. 1 at Morann. VEIN Moshannon. Thickness 2 ft. 10 in. Drift. Pick mine. Daily capacity 100 tons.

Same Company operates Morann and Whiteside mine No. 2 at Morann. VEIN Moshannon. Thickness 2 ft. 10 in. to 4½ ft. Drifts. Pick mines. Daily capacity 100 tons.

MULL, R. H., Philipsburg, operates Imperial mine No. 1 in Decatur Township. VEIN "D" Moshannon. Thickness 5 to 6½ ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "Imperial." Analysis on file.

PEMBERTON COAL CO., Altoona, operates Pemberton mines Nos. 1 and 2 at Osceola Mills. VEIN "D" or Moshannon. Thickness 5½ to 8 ft. Drifts. Pick mines. Daily capacity 500 tons. Trade name "Pemberton." Analysis on file.

PENFIELD COAL CO., South Bethlehem, operates mine at Penfield. VEIN "B." Thickness 4 ft. Drift. Pick mine. Daily capacity 1000 tons. Analysis on file.

PINE HILL COAL CO., Rosebud, operates mine at Rosebud. VEIN "B." Thickness 4½ ft. Drift and Incline. Pick mine. Daily capacity 50 tons.

RED JACKET COAL CO., Philipsburg, operates Gearhart mine at Gearhartville. (See N. Y. C. & H. R. R. R.)

Same Company operates Red Jacket mine at Blue Ball. VEIN "A." Thickness 4 ft. Drift. Pick mine.

SMITH & CO., A., Dysart, operates Superior mines Nos. 1, 2 and 3 at Haverly. VEIN "D." Thickness 3 ft. Drift and Slope. Pick mine. Daily capacity 200 tons. Analysis on file.

STANDARD MOSHANNON COAL CO., Williamsport, operates Standard Moshannon mine at Smoke Run. VEIN Lower Freeport. Thickness 3½ ft. Drift. Pick mine. Daily capacity 300 tons.

SWOOPE COAL CO., Madera, operates Eighteen mine at Madera. VEIN "D" or Moshannon. Thickness 4 to 5 ft. Drift. Pick mine. Daily capacity 225 tons. Trade name "Eighteen." Analysis on file.

SWOOPE & CO., H. B., Madera, operate Morgan Run mine at Madera. VEIN "B." Thickness 4 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Morgan Run." Analysis on file.

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PENNSYLVANIA—Clearfield County—P. R. R.—(Continued)

SYLVANIA COAL CO., Madera, operates Sylvania mine at Madera. VEIN "B." Thickness 4 to 6 ft. Drift. Machine mine. Daily capacity 600 tons. Analysis on file.

WALKER & CO., E. J., Brisbin, operates Troy mine No. 1 at Brisbin. VEIN "B." Thickness 4 ft. Drift. Pick mine. Daily capacity 100 tons.
Same Company operates Stanley Colliery at Moran. VEIN "D." Moshannon. Thickness 5 ft. Slope. Pick mine. Daily capacity 200 tons. Analysis on file.

WILKINSON, ROY, Philipsburg, operates Girard mine No. 3 at West Decatur. VEIN "B." Thickness 3 ft. 8 in. Drift. Pick mine. Daily capacity 50 tons.

YORKSHIRE COAL MINING CO., Madera, operates Yorkshire mine at Banian Junction. VEIN "B." Thickness 2½ to 5 ft. Slope. Pick mine. Mine just developing.

PHILIPSBURG RAILROAD—(PENNA. LINES)

FERNWOOD COAL CO., Ramey, operates Mt. Vernon mine No. 10 at Fernwood. VEIN Moshannon. Thickness 2½ ft. Drift. Pick mine. Daily capacity 150 tons. Analysis on file.

CLINTON COUNTY—County Seat, Lock Haven.

PHILADELPHIA & ERIE RAILROAD—(PENNA. LINES)

KETTLE CREEK COAL MINING CO., Bitumen, operates Kettle Creek mine at Bitumen. VEIN Kittanning. Thickness 4 ft. 9 in. to 5 ft. Drift. Pick mine. Daily capacity 1500 tons.

ELK COUNTY—County Seat, Ridgway.

ERIE RAILROAD.

NORTHWESTERN MINING & EXCHANGE CO., New York, N. Y., operates Dagus mines at Dagus Mines. VEIN "B" Lower Kittanning. Thickness 38 in. Drifts. Pick mines. Daily capacity 1400 tons.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

DENTS RUN MINING CO., Buffalo, N. Y., operates Dents Run mine at Dents Run. VEIN Lower Kittanning. Thickness 3 ft. Drift. Machine and Pick mine. Daily capacity 500 tons. Trade name "Dents Run." Analysis on file.

PITTSBURG, SHAWMUT & NORTHERN RAILROAD.

SHAWMUT MINING CO., THE, St. Mary's, operates Shawmut mine No. 3 at Shawmut. VEIN Lower Freeport. Thickness 4 to 5 ft. Drift. Pick mine. Daily capacity 1000 tons. Trade name "Shawmut." Analysis on file.
Same Company operates Cardiff mine No. 41 at Force. VEIN Lower Kittanning. Thickness 3 to 4 ft. Drift. Pick mine. Daily capacity 1200 tons. Trade name "Shawmut." Anlysis on file.

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PENNSYLVANIA—Elk County—Erie R. R.—(Continued)

Same Company operates Elbon mine No. 5 at Elbon, and Shawmut mine No. 8 at Shawmut. VEIN Lower Kittanning. Thickness 2 ft. 10 in. Drift and Slope. Machine mines. Daily capacity 1250 tons. Trade name "Shawmut." Analysis on file.

Same Company operates Byrnedale mines Nos. 21 and 31 and Brown's Run mine No. 42 at Byrnedale. VEIN Lower Kittanning. Thickness 3 ft. 4 in. to 4 ft. Drifts. Machine and Pick mines. Daily capacity 2750 tons. Trade name "Shawmut." Analysis on file.

FAYETTE COUNTY—County Seat, Uniontown.

BALTIMORE & OHIO RAILROAD.

CHEAT HAVEN COAL & COKE CO., Cheat Haven, operates Eagle mine at Cheat Haven. VEIN Pittsburgh. Thickness 8 ft. Drift. Pick mine. Daily 1000 tons. Analysis on file.

COCHRAN BROS., Dawson, operates Spring Grove mine at Dawson. VEIN Connellsville. Thickness 9 ft. Slope. Pick mine. Daily capacity 450 tons.

DUNBAR FURNACE CO., Philadelphia, operates Furnace mines Nos. 1 and 2 at Dunbar. (Also P. R. R.) VEIN Upper Freeport. Thickness 5 ft. Slope and Drift respectively. Machine and Pick mines. Daily capacity 1000 tons. Trade name "Dunbar."

HIGH HOUSE COAL & COKE CO., Smithfield, operates mine at Smithfield. VEIN Upper Sewickly. Thickness 5 ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

HOPE COKE CO., Uniontown, operates Hope mine at Shoaf. VEIN Sewickley. Thickness 5½ ft. Drift. Pick mine. Daily capacity 200 tons.

IRON CITY COAL & COKE CO., Pittsburgh, operates Dorothea mine at Out Crop. VEIN Pittsburgh. Thickness 6 ft. Drift. Pick mine. Daily capacity 75 tons coke. Analysis on file.

PENN COKE CO., Uniontown, operates Acme mine at Smithfield. VEIN Connellsville. Thickness 7½ ft. Drift. Pick mine. Daily capacity 300 tons. Analysis on file.

RICH HILL COKE CO., Uniontown, operates Rich Hill mines Nos. 2 and 3 at Out Crop. VEIN Connellsville. Thickness 7 ft. Drift. Pick mine. Daily capacity 300 tons.

SACKETT COKE CO., Uniontown, operates Crystal mine at Gans. VEIN Connellsville. Thickness 7 ft. Drift. Pick mine. Daily capacity 240 tons. (Coke.) Trade name "Crystal." Analysis on file.

SAPPER COKE CO., Uniontown, operates Sapper mine at High House. VEIN Pittsburgh. Thickness 9 ft. Drift. Pick mine. Daily capacity 100 tons.

SMITHFIELD COAL & COKE CO., Smithfield, operates Burchinal mine at Smithfield. VEIN Connellsville. Thickness 6 ft. Drift. Pick mine. Daily capacity 100 tons.

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PENNSYLVANIA—Fayette County—B. & O. R. R.—(Continued)

SMITH & CO., S. L., Wilkinsburg, operates Evans mine at Evans Station. VEIN*. Thickness 5 ft. Slope. Pick mine. Daily capacity 300 tons.

SOUTH FAYETTE COKE CO., Uniontown, operates Emery mine at Techrone. VEIN Pittsburgh. Thickness 8 to 9 ft. Shaft. Pick mine. Daily capacity 70 tons coke.

STAUFFER & CO., JOS. R., Scottdale, operates Dexter mine at West Overton. VEIN Connellsville. Thickness 9 ft. Drift. Pick mine. Daily capacity 100 tons.

STEWART IRON CO., Ltd., Uniontown, operates Stewart mine at Uniontown. VEIN Connellsville. Thickness 9 ft. Slope. Pick mine. Daily capacity 375 tons.

WASHINGTON COAL & COKE CO., Dawson, operates Washington mines Nos. 1 and 2 at Star Junction. (Also P. & L. E.) VEIN Connellsville. Thickness 9 ft. Shaft and Slope respectively. Machine and Pick mines. Daily capacity 5000 tons.

MONONGAHELA RAILROAD.

BESSEMER COKE CO., Pittsburgh, operates Griffin mine at Masontown. VEIN Connellsville. Thicknes 7 ft. Drift. Pick mine. Daily capacity 1500 tons.

BRIER HILL COKE CO., Brier Hill, operates Brier Hill mine at Brier Hill. VEIN Pittsburgh. Thickness 9 ft. Shaft. Pick mine. Daily capacity 1500 tons.

BYRNE & CO., JAMES, New Salem, operates Finley mine at New Salem. VEIN Pittsburgh. Thickness 9 ft. Drift. Pick mine. Daily capacity 120 tons. Analysis on file.

CENTURY COKE CO., Brownsville, operates Century mine at Brownsville. VEIN Pittsburgh. Thickness 8½ ft. Drift. Pick mine. Daily capacity 800 tons.

CHAMPION CONNELLSVILLE COKE CO., Brownsville, operates Champion mine at Brownsville. VEIN Pittsburgh. Thickness 9 ft. Drift. Pick mine. Daily capacity 113 tons.

CONNELLSVILLE CENTRAL COKE CO., Pittsburgh, operates Low Phos mine in Menallen Township. VEIN Pittsburgh. Thickness 9 to 11 ft. Drift and Slope. Pick mine. Daily capacity 500 tons.

Same Company operates Herbert mine in Menallen Township. VEIN Pittsburgh. Thickness 9 to 11 ft. Shaft. Pick mine. Daily capacity 1000 tons.

CONSOLIDATED CONNELLSVILLE COKE CO., Uniontown, operates Donald, Sterling, and Virginia mines at Masontown. VEIN Pittsburgh. Thickness 9 ft. Drift. Shaft and Slope respectively. Machine mines. Daily capacity 2500 tons.

FAYETTE COKE CO., New Salem, operates Shamrock mine at Shamrock. VEIN Pittsburgh. Thickness 9 ft. Slope. Pick mine. Daily capacity 1000 tons.

*NOT REPORTED

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PENNSYLVANIA—Fayette County—Monon R. R.—(Continued)

HOOVER, JAMES H., McClellandtown, operates Hoover mine at Ache Junction. (Also P. R. R.) VEIN Pittsburgh. Thickness 9 ft. Drift. Pick mine. Daily capacity 135 tons.

JACOBS CREEK COAL CO., Masontown, operates Dorotha mine at Gallatin. VEIN Sewickly. Thickness 5 ft. Drift. Pick mine. Daily capacity 100 tons. Analysis on file.

LA BELLE COKE CO., Steubenville, Ohio, operates La Belle mine at La Belle. VEIN Pittsburgh. Thickness 6 ft. Drift. Machine mine. Daily capacity 800 tons.

McKEEFREY COAL CO., Leetonia, Ohio, operates Geneva mine at Martin. VEIN Monongahela River. Thickness 9 ft. Drift. Pick mine. Daily capacity 1000 tons.

ORIENT COKE CO., Uniontown, operates Orient mine at Orient. VEIN Pittsburgh. Thickness 9 ft. Shaft. Pick mine. Daily capacity 1500 tons. Analysis on file.

PROSPECT COAL & COKE CO., Uniontown, operates Salon mine at Searight. VEIN Pittsburgh. Thickness 9 ft. Slope. Pick mine. Daily capacity 300 tons. Analysis on file.

TAYLOR COAL & COKE CO., Cleveland, Ohio, operates Searight mine at Searight. VEIN Pittsburgh. Thickness 9 ft. Shaft. Pick mine. Daily capacity 1000 tons.

THOMPSON CONNELLSVILLE COKE CO., Pittsburgh, operates Thompson mines Nos. 1 and 2 at Republic. VEIN Pittsburgh. Thickness 9 ft. Shafts. Machine mines. Daily capacity 2000 tons coke. Trade name "Thompson." Analysis on file.

TOWER HILL CONNELLSVILLE COKE CO., Uniontown, operates Tower Hill mines No. 1 and 2 at Republic. VEIN Pittsburgh. Thickness 7 to 9 ft. Shafts. Machine mines. Daily capacity 1700 tons. Trade name "Tower Hill."

PENNSYLVANIA RAILROAD—(PENNA. LINES)

BROWNING COKE CO., Uniontown, operates Browning mine at Bitner. VEIN Pittsburgh. Thickness 9 ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

BROWNSVILLE COKE CO., Uniontown, operates Brownsville mine at Brownsville. (Also P. & L. E. R. R.) VEIN Pittsburgh. Thickness 8 to 9 ft. Drift and Slope. Pick mine. Daily capacity 110 tons.

DUNBAR FURNACE CO., Philadelphia, operates Furnace mines Nos. 1 and 2 at Dunbar. (See B. & O. R. R.)

DUNLAP CONNELLSVILLE COKE CO., Connellsville, operates Garwood mine at Simpson. (Also P. & L. E. R. R.) VEIN Pittsburgh. Thickness 9 ft. Shaft and Slope. Machine and Pick mine. Daily capacity 300 tons.

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PENNSYLVANIA—Fayette County—P. R. R.—(Continued)

HOOVER, JAMES H., McClellandtown, operates Hoover mine at Ache Junction. (See Monongahela R. R.)

HUSTEAD-SEMANS COAL & COKE CO., Uniontown, operates Hustead mine at East Millsboro. (Also P. & L. E. R. R.) VEIN Pittsburgh. Thickness 8½ ft. Slope. Machine and Pick mine. Daily capacity 1000 tons.

NEWCOMER COKE CO., Uniontown, operates Newcomer mine at Newcomer. VEIN Pittsburgh. Thickness 8 to 9 ft. Drift. Pick mine. Daily capacity 65 tons.

SOUTH FAYETTE COKE CO., Uniontown, operates Coffman mine at Footedale. VEIN Pittsburgh. Thickness 8 to 9 ft. Shaft. Pick mine. Daily capacity 50 tons coke.

Same Company operates Fretts mine at Messmore. VEIN Pittsburgh. Thickness 8 to 9 ft. Slope. Pick mine. Daily capacity 175 tons coke.

WALTERSBURG COKE CO., Uniontown, operates Edna mine at Waltersburg. VEIN Pittsburgh. Thickness 9 ft. Slope. Pick mine. Daily capacity 500 tons. Analysis on file.

PITTSBURGH, McKEESPORT & YOUGHIOGHENY RAILROAD—(N. Y. CENTRAL LINES)

COCHRAN, SONS & CO., JAMES, Dawson, operates Clarissa mine at Dickerson Run. VEIN Pittsburgh. Thickness 9 ft. Drift. Pick mine. Daily capacity 7500 tons. Analysis of Coke on file.

PITTSBURGH, VIRGINIA & CHARLESTON RAILWAY—(PENNA. LINES.)

ATLAS COKE CO., Leetonia, Ohio, operates Lafayette mine at Helen. VEIN Pittsburgh. Thickness 9 ft. Slope. Machine and Pick mine. Daily capacity 1200 tons.

LINCOLN COAL & COKE CO., Scottdale, operates Lincoln mine at Waltersburg. VEIN Pittsburgh. Thickness 9 ft. Slope. Machine and Pick mine. Daily capacity 1200 to 1600 tons.

PEOPLES' COAL CO., THE, Pittsburgh, operates Pike mine at Brownsville Junction. (Also P. & L. E. R. R.) VEIN Pittsburgh. Thickness.* Drift. Machine mine. Daily capacity 2000 tons.

PITTSBURGH & ERIE COAL CO., Erie, operates Sumner mines Nos. 1 and 2 at Braznell. VEIN Pittsburgh. Thickness 9 ft. Shaft and Slope respectively. Machine mines. Daily capacity 3500 tons.

PITTSBURGH & LAKE ERIE RAILROAD—(N. Y. CENT. LINES)

BROWN & COCHRAN, Dawson, operates Nellie mine at Vanderbilt. VEIN Pittsburgh. Thickness 9 ft. Drift. Pick mine. Daily capacity 600 tons. Trade name "Genuine Connellsville." Analysis on file.

BROWNSVILLE COKE CO., Uniontown, operates Brownsville mine at Brownsville. (See P. R. R.)

*NOT REPORTED

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PENNSYLVANIA—Fayette County—P. V. & C. Ry.—(Continued)

DUNLAP CONNELLSVILLE COKE CO., Connellsville, operates Garwood mine at Simpson. (See P. R. R.)

ECHARD COAL & COKE CO., Connellsville, operates Murphy mine at Star Junction. VEIN Connellsville. Thickness 9 ft. Drift. Pick mine. Daily capacity 2500 tons.

HARRIS-SMITH COAL & COKE CO., THE, Uniontown, operates Hill Top mine at Fayette City. VEIN Pittsburgh. Thickness 9 ft. Drift. Pick mine. Daily capacity 500 tons. Analysis on file.

HUSTEAD-SEMANS COAL & COKE CO., Uniontown, operates Hustead mine at East Millsboro. (See P. R. R.)

MARIETTA-GANIER COAL & COKE CO., Connellsville, operates Junction mine at Broadford Junction. VEIN Pittsburgh. Thickness 9 ft. Slope. Pick mine. Daily capacity 75 tons. Analysis on file.

PEOPLES COAL CO., THE, Pittsburgh, operates Pike mine at Brownsville Junction. (See P. V. & C. Ry.)

PERRY COKE CO., Pittsburgh, operates Martin mine at Star Junction. VEIN Pittsburgh. Thickness 9 ft. Drift. Pick mine. Daily capacity 75 tons coke. Trade name "Perry." Analysis on file.

SNOWHILL COAL CO., Roscoe, operates Snowhill mine at Roscoe. VEIN Pittsburgh. Thickness 8 ft. Drift. Pick mine. Daily capacity 450 tons.

WASHINGTON COAL & COKE CO., Dawson, operates Washington mine No. 3 at Perryopolis. VEIN Connellsville. Thickness 9 ft. Slope. Machine and Pick mine. Daily capacity 500 tons.
Same Company operates Washington mines Nos. 1 and 2 at Star Junction. (See B. & O. R. R.)

GREENE COUNTY—County Seat, Waynesburg.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

DILWORTH COAL CO., Pittsburgh, operates Dilworth mine at Rice's Landing. VEIN Pittsburgh. Thickness 8 ft. Shaft. Machine and Pick mine. Daily capacity 2400 tons. Trade name "Dilworth." Analysis on file.

HUNTINGDON COUNTY—County Seat, Huntingdon.

EAST BROAD TOP RAILROAD.

BROAD TOP COAL & MINERAL CO., Huntingdon, operates Jacobs and Rocky Ridge mines at Jacobs. VEINS Kelley, Barnett and Fulton. Thickness 4 ft. 10 in. to 12 ft. Drifts. Pick mines. Daily capacity 300 to 600 tons. Trade name "Rocky Ridge."

JACOBS & GLAZIER, Huntingdon, operate Victoria mine at Glazier. VEIN Kelly. Thickness 5 to 8 ft. Drift. Pick mine. Daily capacity 150 to 200 tons. Trade name "Victoria."

JEFFREY DROP RAIL MINE CAGES are dependable to work properly and continuously without undue attention. Send for Bulletin No. 24. The Jeffrey Manufacturing Company, *Columbus, Ohio.*

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This machine is the one most generally used for cutting in seams over four feet in thickness where average conditions are met with.

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JEFFREY COAL CUTTERS are essential in every Mine where strictly modern and reliable machinery is used. They are built to withstand the rough work incident to mine service and all parts are made interchangeable to insure quick replacements.

Also see pages 1 and 13

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1910

Punxsautawney Coal Mining Co.
CYRUS H. POLLEY, President
Prudential Bldg., BUFFALO, N. Y.

PENNSYLVANIA—Huntingdon County—E. B. T. R. R.—(Continued)

ROCKHILL IRON & COAL CO., THE, Philadelphia, operates Robertsdale Slope and Woodvale Shaft at Robertsdale and Woodvale. VEINS Fulton and Barnett. Thickness 2 to 4 ft. Slope and Shaft. Pick mine. Daily capacity 1200 tons. Trade name "Rockhill." Analysis on file.

URAYS HILL COAL CO., Huntingdon, operates mine at Rocky Ridge. VEINS Kelly, Barnett and Cook. Thickness 4 to 12 ft. Drifts. Pick mines. Daily capacity 600 tons. Analysis on file.

HUNTINGDON & BROAD TOP RAILROAD.

BLACK, A. J., Broad Top City, operates Black mines at Broad Top City. VEINS Barnett and Fulton. Thickness 4½ ft. Drifts. Pick mines. Daily capacity 150 tons. Trade name "Carbon."

REED COLLIERY CO., Dudley, operates Benedict mine at Dudley. VEIN*. Thickness*. Drift. Pick mine.

THROPP, JOSEPH E., Everett, operates Gordon Slope and Melrose mine at Melrose. VEIN "A" or Fulton. Thickness 3½ and 4½ ft. respectively. Slope and Drifts. Pick mines. Daily capacity 700 tons. Trade name "Gordon." Analyses on file.

INDIANA COUNTY—County Seat, Indiana.

BUFFALO, ROCHESTER & PITTSBURGH RAILWAY.

LACKAWANNA COAL & COKE CO., Buffalo, N. Y., operates Lackawanna mines Nos. 3 and 4 at Wehrum. VEIN "B" or Miller. Thickness 4 ft. Slope and Shaft. Machine mines. Daily capacity 1000 tons. Analysis on file.

PUNXSUTAWNEY COAL MINING CO., Buffalo, N. Y., operates Frances mine at Frances. VEIN Freeport. Thickness 4 to 4½ ft. Drift. Machine mine. Daily capacity 1300 tons. Trade name "Frances." Analysis on file.

SENECA COAL MINING CO., Buffalo, operates Seneca mine at Chambersville. VEIN Freeport. Thickness 5½ to 6½ ft. Drift. Machine mine. Daily capacity 1200 tons. Trade name "Seneca." Analysis on file.

NEW YORK CENTRAL & HUDSON RIVER RAILROAD.

CLEARFIELD BITUMINOUS COAL CORPOATION, Clearfield, operates Bar and Sample Run mines at Clymer. VEIN "D." Thickness*. Slopes. Machine mines. Daily capacity 780 tons.
Same Company operates Canoe Ridge mine at Rossiter. VEIN "E." Thickness*. Drift and Slope. Machine mine. Daily capcity 2650 tons.

INDIANA COAL CO., Philipsburg, operates Indiana mines Nos. 1, 2, 3, 4, 5, 6, 7, and 8 at Glen Campbell. VEIN "E." Thickness 4 ft. Drifts. Machine and Pick mines.

PIONEER COAL CO., Clearfield, operates Empire "P" mine at Shanktown. VEIN "B." Thickness*. Drift. Machine mine. Daily capacity 280 tons. **Same Company** operates McKean and Rodkey mines at Clymer. VEIN "B." Thickness*. Drifts. Pick mines. Daily capacity 575 tons.

*NOT REPORTED

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CYRUS H. POLLEY, President
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PENNSYLVANIA—Indiana County—(Continued)

PENNSYLVANIA RAILROAD—(PENNA. LINES)

BEAR RUN COAL & COKE CO., Punxsutawney, operates Bear Run mines Nos. 1 and 2 at Sidney. VEIN "B." Thickness 4 ft. 4 in. Drifts. Machine mines. Daily capacity 1600 tons.

BOWMAN COAL MINING CO., Saltsburg, operates Bowman mine at Saltsburg. VEIN Pittsburgh. Thickness 6 ft. Drift. Pick mine. Daily capacity 250 to 300 tons.

COMMONWEALTH COAL & COKE CO., Philadelphia, operates Commonwealth mine at Lockport. VEIN Upper Freeport. Thickness 5 ft. Drift. Pick mine. Daily capacity 300 tons. Analysis on file.

GRACETON COKE CO., Graceton, operates Graceton mine at Graceton. VEIN "E." Thickness 5 ft. Drift. Machine and Pick mine. Daily capacity 900 tons. Trade name "Graceton."

HOWARD GAS COAL CO., Greensburg, operates Mt. Grey mine at Saltsburg. VEIN Pittsburgh. Thickness 6 ft. Drift. Machine and Pick mine. Daily capacity 1000 tons.

INDIANA COAL CO., Philipsburg, operates Indiana mines Nos. 1, 2, 3, 4, 5, 6, 7, and 8 at Glen Campbell. (See N. Y. C. & H. R. R. R.)

JOSEPHINE FURNACE & COKE CO., Cleveland, Ohio, operates Josephine mine at Josephine. VEIN "E" Upper Freeport. Thickness 3½ ft. Drift and Shaft.

KEYSTONE COAL CO., York, operates Mooween mine at Mooween. VEIN Upper Freeport. Thickness 3½ ft. Drift. Machine mine. Daily capacity 400 tons. Analysis on file.

KISKIMINITAS COAL CO., Philipsburg, operates Kiskiminitas mine No. 1 at Tunnelton. VEIN Lower Freeport. Thickness 3 ft. 10 in. Drift. Machine mine.

Same Company operates Kiskiminitas mine No. 2 at Scott Glen. VEIN "B." Thickness 4 ft. Drift. Pick mine.

MITCHELL-WATSON COAL & COKE CO., Saltsburg, operates Mitchell-Watson mine No. 1 at White. VEIN Upper Freeport. Thickness 3 ft. 3 in. Drift. Machine mine. Daily capacity 500 tons.

RAY COAL CO., Blairsville, operates Ray mine at Blairsville. VEIN Pittsburgh. Thickness 6 ft. Drift. Pick mine. Daily capacity 200 tons.

SMITH COAL CO., ROBERT, Blairsville, operates Smith mine at Smith Station. VEIN Pittsburgh. Thickness 6 ft. Drift. Pick mine. Daily capacity 250 tons.

TEARING RUN COAL CO., Indiana, operates Tearing Run mine at Homer City. VEIN "E." Thickness 6 ft. Drift. Pick mine. Daily capacity 400 tons. Analysis on file.

WHARTON COAL & COKE CO., Coral, operates Wharton mine at Coral. VEIN Upper Freeport. Thickness 6½ to 7 ft. Slope. Machine and Pick mine. Daily capacity 1000 tons.

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PENNSYLVANIA—Continued)

JEFFERSON COUNTY—County Seat, Brookville.

BUFFALO, ROCHESTER & PITTSBURGH RAILWAY.

LANE, F. A., Lane's Mills, operates mine at Lane's Mills. VEIN Upper Freeport. Thickness 3 ft. Drift. Pick mine. Daily capacity 150 to 250 tons.

PEALE, PEACOCK & KERR, Inc., St. Benedict, operates Bloomington J. 9 mine at Rathmel. VEIN Upper Freeport. Thickness 6 ft. Drift. Machine mine. Daily capacity 500 tons. Trade name "Reynoldsville."

BUFFALO & SUSQUEHANNA RAILWAY.

BUFFALO & SUSQUEHANNA COAL & COKE CO., Buffalo, N. Y., operates Onondaga Shaft at Onondaga. VEIN Lower Freeport. Thickness 4 ft. Shaft. Machine mine. Daily capacity 2000 tons.

CASCADE COAL & COKE CO., Buffalo, operates Sykesville mine at Sykesville. VEIN*. Thickness*. Shaft. Machine mine.

ERIE RAILROAD.

NORTHWESTERN MINING & EXCHANGE CO., New York, N. Y., operates West Clarion mine at Brockwayville, and Clarion mine No. 4 at Crenshaw. VEIN "D" Lower Freeport. Thickness 42 to 44 inches. Drifts. Pick and Machine mines. Daily capacity 1150 tons.

TOBY COAL MINING CO., Brockwayville, operates Black Diamond mine at Brockwayville. VEIN Upper Freeport. Thickness 3 ft. Drift. Pick mine. Analysis on file.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

ANITA COAL MINING CO., Punxsutawney, operates Anita mine at Anita. VEIN Lower Freeport. Thickness 5 to 6 ft. Drift. Machine mine. Daily capacity 1000 tons.

AVOINE COAL & COKE CO., Punxsutawney, operates Avoine mine at Fuller. VEIN Lower Kittanning. Thickness 7 to 10 ft. Drift. Pick mine. Daily capacity 400 tons.

BOWERSVILLE COAL CO., Punxsutawney, operates Bowersville mine at Bowersville. VEIN "E." Thickness 4 ft. Drift. Machine mine. Daily capacity 500 tons. Analysis on file.

CORTEZ COAL CO., Punxsutawney, operates Cortez mine at Anita. VEIN Lower Freeport. Thickness 4½ ft. Drifts. Pick mine. Daily capacity 200 tons. Trade name "Elk Run." Analysis on file.

LOEB, H., Philadelphia, operates Cherry Grove mine at Winslow. VEIN Upper Freeport. Thickness 3 ft. Drift. Machine and Pick mine. Daily capacity 200 tons.

McLEAVY & CO., JOHN, Punxsutawney, operates Conrad and Shaller mines at Anita. VEIN Lower Freeport. Thickness 4 to 6 ft. Slope and Drift. Pick mines. Daily capacity 1050 tons. Analysis on file.

*NOT REPORTED

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PENNSYLVANIA—Jefferson County—P. R. R.—(Continued)

PANTHER RUN COAL CO., Pardus, operates Panther Run mine at Pardus. VEIN Lower Freeport. Thickness average 5 ft. Drift. Machine mine. Daily capacity 1500 tons. Trade name "Celebrated Reynoldsville." Analysis on file.

PITTSBURGH, SHAWMUT & NORTHERN RAILROAD.

ALLEGHENY RIVER MINING CO., St. Mary's, operates Beaver mine No. 1 at Conifer. VEIN Lower Kittanning or Beaver. Thickness 4 to 5 ft. Drift. Machine and Pick mine. Daily capacity 2000 tons. Trade name "Shawmut." Analysis on file.

SHAWMUT MINING CO., THE, St. Marys, operates Ramsay mine No. 1 at Ramsaytown. VEIN Lower Freeport. Thickness 4 to 5 ft. Drift. Machine and Pick mine. Daily capacity 1500 tons. Trade name "Shawmut." Analysis on file.

PITTSBURGH, SUMMERVILLE & CLARION RAILROAD.

CARRICK-GRAY COAL MINING CO., Summerville, operates Carrick mine at Carrier Flag Station. VEIN Brookville. Thickness 4 to 5 ft. Drift. Pick mine. Daily capacity 300 tons.

RUNAWAY RUN COAL & COKE CO., Reynoldsville, operates Runaway mine at Carrier Flag Station. VEIN Brookville. Thickness 4 to 5 ft. Drift. Machine and Pick mine. Daily capacity 400 tons.

LAWRENCE COUNTY—County Seat, New Castle.

BALTIMORE & OHIO RAILROAD.

WITCH HAZEL COAL CO., THE, Youngstown, Ohio, operates Chewton mine at Chewton. VEIN*. Thickness 30 to 32 inches. Drift. Pick mine. Daily capacity 200 tons. Trade name "Chewton." Analysis on file.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

BEAVER COAL & COKE CO., Wampum, operates Beaver mines Nos. 1, 2 and 3 at Wampum. VEIN Miller. Thickness 3 ft. Pick and Machine mines. Daily capacity 570 tons. Trade name "Beaver."

SHARON COAL & LIMESTONE CO., Pittsburgh, operates mine No. 2 at Volant. VEIN Brookville. Thickness 4 ft. Shaft. Machine and Pick mine. Daily capacity 400 tons.

LYCOMING COUNTY—County Seat, Williamsport.

NORTHERN CENTRAL RAILROAD—(PENNA. LINES)

RED RUN COAL CO., Roaring Branch, operates Red Run mine at Redburn. VEIN "B." Thickness 2 ft. Drift. Pick mine. Daily capacity 400 tons. Analysis on file.

*NOT REPORTED

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The Rose Coal Company

Rockefeller Building, CLEVELAND, O.

JEFFREY ROTARY TIPPLE DUMPS are thoroughly substantial and efficient, they dump to equal advantage, cars with or without end gates. The Jeffrey Manufacturing Company, Columbus, Ohio.

PENNSYLVANIA—(Continued)

MERCER COUNTY—County Seat, Mercer.

BESSEMER & LAKE ERIE RAILROAD.

PARDOE COAL CO., Sharon, operates Pardoe mine No. 1 and Kee mine at Pardoe. VEIN Brookville. Thickness*. Drifts. Pick mines. Daily capacity 400 tons. Trade name "Pardoe."

WESTERMAN-FILER CO., Sharon, operates Diamond mines Nos. 1 and 3 at Grove City. VEIN Brookville. Thickness 4 to 4½ ft. Shaft and Slope. Pick mines. Daily capacity 1000 tons.

LAKE SHORE & MICHIGAN SOUTHERN RAILWAY—(N. Y. C. LINES)

CANN COAL CO., Stoneboro, operates Carver mine at Stoneboro. VEIN Brookville Bed A. Thickness 4 ft. 8 in. Shaft. Pick mine. Daily capacity 500 tons.

MERCER IRON & COAL CO., Stoneboro, operates mine No. 7 at Stoneboro. VEIN Brookville Bed A. Thickness 4½ ft. Shaft. Machine and Pick mine. Daily capacity 700 to 1000 tons.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

FOWLER COAL MINING CO., THE, Youngstown, Ohio, operates Fowler mine at Jackson Center. VEIN Freeport. Thickness 4 ft. Shaft. Machine and Pick mine. Daily capacity 400 tons.

JACKSON MINING CO., Stoneboro, operates Jackson mine at Jackson Center. VEIN Brookville "A." Thickness 4 ft. 8 in. Slope. Pick mine. Daily capacity 300 tons.

LEESBURG COAL CO., Struthers, Ohio, operates mine at Leesburg. VEIN Brookville. Thickness 3½ to 4½ ft. Slope. Pick mine. Mine just developing.

OAKES BROS., Volant, operates mine at Leesburg. VEIN Brookville. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 200 tons. Analysis on file.

PENNSYLVANIA FUEL CO., THE, Struthers, Ohio, operates Cribs mine at Leesburg. VEIN Brookville. Thickness 4½ to 5 ft. Shaft. Pick mine. Daily capacity 350 tons. Analysis on file.

SHARON COAL & LIMESTONE CO., Pittsburgh, operates mine No. 5 at Mercer. VEIN Brookville. Thickness 5 ft. Shaft. Machine and Pick mine. Daily capacity 600 tons.

SHARPSVILLE RAILROAD.

BERGER-AIKEN COAL CO., Pittsburgh, operates Bethel mine at Bethel. VEIN Brier Hill Block. Thickness*. Shaft. Pick mine. Daily capacity 300 tons. Trade name "Brier Hill Block."

SOMERSET COUNTY—County Seat, Somerset.

BALTIMORE & OHIO RAILROAD.

AJAX COAL CO., Meyersdale, operates Ajax mine at Meyersdale. VEIN Redstone. Thickness 5 ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "Ajax."

*NOT REPORTED

Famous Brier Hill Block Coal

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CITIZENS BUILDING
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PENNSYLVANIA—Somerset County—B. & O. R. R.—(Continued)

ALTHOUSE & CO., W. D., Philadelphia, operates Franklin mine at Jerome Junction. VEINS "B" and "C" Prime. Thickness 3 ft. 8 in. and 3 ft. respectively. Slope and Drift. Pick and Machine mine. Daily capacity 250 tons. Trade name "Franklin." Analysis on file.

BROTHERS VALLEY COAL CO., New York, N. Y., operates Pen Mar mines Nos. 2 and 3 at MacDonaldton. VEIN Lower Kittanning. Thickness 5 ft. Shaft and Slope respectively. Machine and Pick mines. Daily capacity 5000 tons. Trade name "Pen Mar."

CARBO SMOKELESS COAL CO., Johnstown, operates Bethel mines Nos. 1, 2 and 3 at Holsopple. VEINS "B" and "C." Thickness 52 in. and 45 in. respectively. Slope and Drifts. Pick mines. Daily capacity 500 tons. Trade name "Carbo." Analysis on file.

CONSOLIDATION COAL CO., Inc., THE, Baltimore, Md., operates Casselman mine at Garrett. VEIN "D." Thickness 2 ft. 10 in. Drift. Pick mine. Daily capacity 225 tons. Analysis on file.

Same Company operates Pine Hill mine No. 1 at Pine Hill. VEIN Platt. Thickness 5 ft. Incline. Pick mine. Daily capacity 750 tons. Analysis on file.

Same Company operates Wilson Creek mine at Rockwood. VEIN "A." Thickness 5 ft. Drift. Pick mine. Daily capacity 425 tons. Analysis on file.

Same Company operates Listie mine at Listie. VEIN "C" Prime. Thickness 4½ ft. Drift. Pick mine. Daily capacity 400 tons. Analysis on file.

Same Company operates Stuart mine at Landstreet. VEIN Miller or "B." Thickness 3½ ft. Incline. Pick mine. Daily capacity 150 tons. Analysis on file.

Same Company operates Jenner mine No. 1 at Stoughton, and No. 3 at Jenner. VEIN "C" Prime. Thickness 4½ and 4 ft. respectively. Slopes. No. 3 Pick and No. 1 Machine mine. Daily capacity 950 tons. Analysis on file.

Same Company operates Elk Lick mine No. 3 and Summit mine No. 2 at Meyersdale. VEIN Redstone. Thickness 5 ft. Inclines. Pick mines. Daily capacity 775 tons. Analysis on file.

Same Company operates Elk Lick mine No. 1 and Summit mine No. 1 at Meyersdale. VEIN Pittsburgh. Thickness 8 ft. Drifts. Pick mines. Daily capacity 1675 tons. Analysis on file.

Same Company operates Elk Lick mine No. 2 at Meyersdale and Hamilton mine at Boynton. VEIN Pittsburgh. Thickness 8 and 9 ft. respectively. Drifts. Pick mines. Daily capacity 625 tons. Analysis on file.

Same Company operates Jenner mine No. 2 at Jenner, and Nos. 4 and 5 at Acosta. VEIN "C" Prime. Thickness 4 ft. Drifts. Machine mines. Daily capacity 2300 tons. Analysis on file.

CORONET COAL CO., Berlin, operates Standard mines Nos. 1, 2 and 3 at Pine Hill Station. VEIN*. Thickness 4 ft. Drifts. Pick mines. Daily capacity 500 tons. Trade name "Coronet."

*NOT REPORTED

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PENNSYLVANIA—Somerset County—B. & O. R. R.—(Continued)

ENTERPRISE COAL CO., Garrett, operates Ponfeigh mine at Garrett. VEIN "C." Thickness 4 ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "Ponfeigh Smokeless." Analysis on file.

FEDERAL COAL CO. of PHILADELPHIA, Philadelphia, operates Federal mine at Hooversville. VEIN "B." Thickness 3½ ft. Drift. Pick mine. Daily capacity 300 tons.
Same Company operates Federal mine No. 4 at Hooversville. VEIN "C." Thickness 4 ft. Drift. Pick mine. Daily capacity 100 tons. Mine just developing.

GLOBE COAL & COKE CO., Pittsburgh, operates Fort Hill mine at Fort Hill. VEINS "B" or Miller and "C" Prime. Thickness 3½ ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "Fort Hill Smokeless."

GRASSY RUN COAL CO., Elk Lick, operates Grassy Run mines Nos. 1 and 2 at Elk Lick. VEIN Cumberland Big Vein. Thickness 9 ft. Drift. Pick mine. Daily capacity 1000 tons. Analysis on file.

HAMILTON & CO., S. M., Baltimore, Md., operates Adams mine at Adams. VEIN "C" Prime. Thickness 4 ft. Drift. Machine and Pick mine. Daily capacity 500 tons. Trade name "Adams."

HAWS COAL CO., Johnstown, operates mine at Holsopple. VEIN Miller. Thickness 4 ft. Shaft. Machine and Pick mine. Daily capacity 500 tons. Trade name "Lenore."

HOCKING COAL CO., Meyersdale, operates mine at Garrett. VEIN "C." Thickness average 4½ ft. Slope. Machine and Pick mine. Daily capacity 500 tons. Trade name "Garrett." Analysis on file.

HUFF COAL CO., THE, Humbert, operates Maude mine at Humbert. VEIN "C" Prime. Thickness 3 ft. Drift. Pick mine. Daily capacity 250 tons. Trade name "Laurel Quemahoning."

KEYSTONE COAL CO., York, operates Glen McClaren mine at Glen McClaren. VEIN Lower Kittanning. Thickness 4 ft. 8 in. Drift. Machine and Pick mine. Daily capacity 500 tons. Analysis on file.

MERRILL & CO., W. A., Garrett, operates Enterprise mine at Garrett. VEIN "C." Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "Enterprise." Analysis on file.

MEYERSDALE FUEL CO., Meyersdale, operates Yoder and Henry mines at Coal Run. VEIN Pittsburgh. Thickness 7 ft. Drifts. Pick mines. Daily capacity 350 tons.

MEYERSDALE SMOKELESS COAL CO., Meyersdale, operates Margaret mine at Meyersdale. VEIN Redstone. Thickness 5 ft. Drift. Pick mine. Daily capacity 225 tons.

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Rockefeller Bldg., CLEVELAND, O.

AUSTIN POWDER COMPANY

Manufacturers of
Mining Powder, Blasting Powder and High Explosives

Dealers in
Fuse, Caps and Blasting Supplies

CLEVELAND OHIO

PENNSYLVANIA—Somerset County—B. & O. R. R.—(Continued)

QUEMAHONING COAL CO., Somerset, operates Ralphton mines Nos. 1, 2, 3 and 4 at Ralphton. VEIN "C" Prime. Thickness 4 ft. Slope and Drifts. Pick mines. Daily capacity 1800 tons. Trade name "Ralphton Quemahoning."

READING IRON CO., Kimmelton, operates Reading mines Nos. 3 and 4 near Stoyestown. VEINS "C" and "E." Thickness 3 and 3½ ft. Drifts. Machine mines. Daily capacity 2000 tons. Trade name "Quemahoning." Analysis on file.

ROWE, FREDERICK, Meyersdale, operates Mystic mine at Myersdale. VEIN Pittsburgh. Thickness 8 ft. Drift. Pick mine. Daily capacity 150 tons.

SMITH, MEYERS & CO., Philadelphia, operates Anspach mine at Confluence. VEIN*. Thickness 4 to 5 ft. Drift. Machine mine. Daily capacity 500 tons. Trade name "Anspach."

SOMERSET FUEL CO., New York, N. Y., operates Beale's mine at Listonburg. VEINS "D" and "C" Prime. Thickness 11 ft. Drift. Pick mine. Daily capacity 300 tons.

SOMERSET & CAMBRIA COAL CO., Johnstown, operates Mine No. 1 at Foustwell. VEIN Miller. Thickness 4 ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "Foustwell."

STONER COAL CO., Berlin, operates Stoner mines Nos. 1 and 2 at Berlin. VEIN Price. Thickness 4 ft. Drift. Pick mine. Daily capacity 300 tons.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

SHADE COAL MINING CO., Mount Pleasant, operates Hagevo Colliery at Arrow. VEIN "B" or Miller. Thickness 3½ to 4 ft. Drift. Pick mine. Daily capacity 400 tons. Trade name "Best Miller." Analysis on file.

TIOGA COUNTY—County Seat, Wellsboro.

ERIE RAILROAD.

BOWER COAL CO., Blossburg, operates Bower mine at Blossburg. VEIN Blossburg. Thickness 3 ft. 2 in. Drift. Pick mine. Daily capacity 20 tons. Analysis on file.

JENKINS BROS., Blossburg, operates mine at Blossburg. VEIN Blossburg. Thickness 3 ft. 2 in. Pick mine. Daily capacity 140 tons. Analysis on file.

MORRIS RUN COAL MINING CO., Wilkes Barre, operates Rattler and Morris Run mines at Rattler and Morris Run respectively. (Also N. Y. C. & H. R. R. R.) VEIN Blossburg. Thickness 3 ft. Drift. Pick mine. Daily capacity 2500 tons. Analysis on file.

*NOT REPORTED

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M. A. HANNA & CO.

SALES AGENTS CLEVELAND, OHIO

Pittsburg & Eastern Coal Co.

PENNSYLVANIA—Tioga County—Erie R. R.—(Continued)

SCHULTZ, CHAS., Blossburg, operates Coal Run mine No. 1 at Blossburg. (Also N. Y. C. & H. R. R. R.) VEIN Blossburg. Thickness 2½ ft. Drift. Pick mine. Daily capacity 30 tons.

NEW YORK CENTRAL & HUDSON RIVER RAILROAD.

FALL BROOK COAL CO., Corning, N. Y., operates Anna S mine at Antrim. VEIN Blossburg. Thickness*. Drift. Machine and Pick mine. Daily capacity 1000 tons.

GOLDEN BROS., Blossburg, operate Coal Run mine at Blossburg. VEIN Blossburg. Thickness 2 ft. Slope. Pick mine. Daily capacity 100 tons.

MORRIS RUN COAL MINING CO., Wilkes Barre, operates Rattler and Morris Run mines at Rattler and Morris Run respectively. (See Erie R. R.)

SCHULTZ, CHAS., Blossburg, operates Coal Run mine No. 1 at Blossburg. (See Erie R. R.)

WASHINGTON COUNTY—County Seat, Washington.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

CLYDE COAL CO., Pittsburgh, operates Clyde mine at Fredericktown. VEIN Pittsburgh. Thickness 6½ to 7 ft. Drift. Machine mine. Daily capacity 2200 tons. Trade name "Celebrated Clyde." Analysis on file.

DIAMOND COAL & COKE CO., Pittsburgh, operates Huston Run mine at Huston Run. VEIN Pittsburg. Thickness 6 ft. Drift. Machine mine. Daily capacity 1800 tons. Analysis on file.
Same Company operates Diamond mine near West Brownsville. VEIN Pittsburgh. Thickness 8 ft. Slope. Machine mine. Daily capacity 1500 tons. Analysis on file.

ELLSWORTH COLLIERIES CO., Ellsworth, operates mines Nos. 1 and 2 at Ellsworth and mines Nos. 3 and 4 at Cokeburg. VEIN Pittsburgh. Thickness 6 ft. Shafts. Machine mines. Daily capacity 8200 tons. Analysis on file.

MAPLE GLEN COAL & COKE WORKS, Fredericktown, operates Maple Glen mine at Centreville. VEIN Pittsburgh. Thickness 7 ft. Drift. Pick mine. Daily capacity 600 tons.

PITTSBURGH & EASTERN COAL CO., Cleveland, Ohio, operates mines Nos. 1, 2 and 3 at Cherry Valley. VEIN Pittsburgh. Thickness 5½ ft. Shafts. Machine and Pick mines. Daily capacity 3000 tons. Analysis on file.

PITTSBURGH PLATE GLASS CO., Pittsburgh, operates Charleroi Coal Works at Charleroi. VEIN Pittsburgh. Thickness 6 ft. Drift. Machine mine. Daily capacity 1800 tons. Trade name "Charleroi." Analysis on file.

SANFORD COAL CO., J. H., Pittsburgh, operates Armide mine at Raccoon. VEIN Pittsburgh. Thickness 5½ ft. Drift. Machine mine. Daily capacity 2000 tons. Analysis on file.

*NOT REPORTED

J. H. Sanford Coal Company

Miners and Shippers of

Genuine Pittsburgh Coal

Park Building PITTSBURGH, PA.

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The Warner Leonard Coal Co.
The Pocahontas-Domestic Coal Co. CLEVELAND, O

PENNSYLVANIA—Washington County—P. R. R.—(Continued)

STAR COAL CO., Pittsburgh, operates Star mine at Courtney. VEIN Pittsburgh. Thickness 4½ ft. Drift. Machine mine. Daily capacity 800 tons. Analysis on file.

WARNER-LEONARD COAL CO., THE, Cleveland, Ohio, operates Kinder mine at West Brownsville. VEIN Pittsburgh Youghiogheny. Thickness 8 to 9 ft. Slope. Machine mine. Daily capacity 1000 tons. W. H. Warner & Co., Cleveland, Ohio, Exclusive Sales Agents.

PITTSBURGH, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY—(PENNA. LINES)

BULGER BLOCK COAL CO., Pittsburgh, operates Bulger mine at Bulger. VEIN Pittsburgh. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1200 tons. Trade name "Bulger Block."

CARNEGIE COAL CO., Pittsburgh, operates Primrose mine at Primrose. VEIN Pittsburgh. Thickness 5 ft. Drift. Machine mine. Daily capacity 2000 tons. Trade name "Carnegie." Analysis on file.

MEADOW LANDS COAL CO., Pittsburgh, operates Arden mine No. 2 at Arden Station. VEIN Pittsburgh. Thickness 6 ft. Shaft. Machine mine. Daily capacity 2500 tons. Trade name "Meadow Lands."
Same Company operates Meadow Lands mine No. 1 at Meadow Lands Station. VEIN Pittsburgh. Thickness 6 ft. Slope. Machine mine. Daily capacity 1000 tons. Trade name "Meadow Lands."

PITTSBURGH & ERIE COAL CO., Erie, operates Raccoon mine No. 1 at Burgettstown. VEIN Pittsburgh. Thickness 5 ft. Drift. Machine mine. Daily capacity 1000 tons.

VERNER COAL & COKE CO., Carnegie, operates Verner mine at Bulger. VEIN Pittsburgh. Thickness 5 ft. Slope. Machine mine. Daily capacity 1500 tons. Analysis on file.

YOUGHIOGHENY & OHIO COAL CO., THE, Cleveland, Ohio, operates Manifold mines Nos. 1 and 2 at Manifold. VEIN Pittsburgh.

PITTSBURGH, VIRGINIA & CHARLESTON RAILROAD—(PENNA. LINES)

BESSEMER COKE CO., Pittsburgh, operates Millsboro mine at Millsboro. VEIN Connellsville. Thickness 7 ft. Slope. Pick mine. Daily capacity 700 tons.

DUNKIRK GAS COAL CO., Pittsburgh, operates Acme mine at Bentleyville. VEIN Pittsburgh. Thickness 7 ft. Shaft. Machine mine. Daily capacity 2000 tons. Analysis on file.
Same Company operates Dunkirk mine at Frye Station. VEIN Pittsburgh. Thickness 6½ ft. Slope. Machine mine. Daily capacity 1500 tons. Analysis on file.

Carnegie Coal Company, Inc.
Miners and Shippers of
Pittsburgh-Youghiogheny Coal
PITTSBURGH, ... PENNSYLVANIA

BURTON POWDER CO., Pittsburg, Pa.

MANUFACTURERS OF

BLASTING POWDER AND PERMISSIBLE EXPLOSIVES

PENNSYLVANIA—Washington County—P. V. & C. R. R.—(Continued)

PITTSBURGH-WESTMORELAND COAL CO., Pittsburgh, operates Shoenberger mine at Baird. VEIN Pittsburgh. Thickness 6½ ft. Drift. Machine mine. Daily capacity 3500 tons. Analysis on file.

Same Company operates Hazel Kirk mine No. 1 at Hazel Kirk. VEIN Pittsburgh. Thickness 6½ ft. Shaft and Slope. Machine mine. Daily capacity 2500 tons. Analysis on file.

Same Company operates Acme mine No. 2 at Bentleyville. VEIN Pittsburgh. Thickness 7 ft. Slope. Machine mine. Daily capacity 2000 tons. Analysis on file.

Same Company operates Hazel Kirk mine No. 2 at Van Voorhis. VEIN Pittsburgh. Thickness 6½ ft. Shaft. Machine mine. Daily capacity 1500 tons. Analysis on file.

VESTA COAL CO., Pittsburgh, operates Vesta mines Nos. 1 and 3 at Allenport, No. 4 at California, and No. 5 at Fredericktown. VEIN Pittsburgh. Thickness 6½ ft. Drifts. Machine mines. Daily capacity 9100 tons. Analysis on file.

WABASH PITTSBURGH TERMINAL RAILWAY.

MEADOW LANDS COAL CO., Pittsburgh, operates mine No. 3 at Avella Station. VEIN Pittsburgh. Thickness 6 ft. Slope. Machine mine. Daily capacity 1500 tons. Trade name "Wabash Thin Vein."

PENOBSCOT COAL CO., Greensburg, operates Penobscot mine at Virginia. VEIN Pittsburgh. Thickness 5 ft. Drift. Machine and Pick mine. Daily capacity 600 tons. Trade name "Penobscot."

PITTSBURGH & SOUTHWESTERN COAL CO., Avella, operates Donohue mine at Avella. VEIN Pittsburgh. Thickness 5 ft. 3 in. Slope. Machine mine. Daily capacity 800 tons. Analysis on file.

PRYOR COAL COMPANY, Greensburg, operates Avella mine at Avella. VEIN Pittsburgh. Thickness 5 ft. Drift. Machine mine. Daily capacity 1000 tons.

WASHINGTON COUNTY COAL CO., Hanlin Station, operates Cedar Grove mine at Studa. VEIN Pittsburgh. Thickness 5 ft. Slope. Machine mine. Daily capacity 500 tons. Trade name "Wabash Pittsburgh." Analysis on file.

WAVERLY COAL & COKE CO., THE, Pittsburgh, operates Cross Creek mine at Avella. VEIN Pittsburgh. Thickness 5½ ft. Drift. Machine mine. Daily capacity 800 tons.

WESTMORELAND COUNTY—County Seat, Greensburg.

BALTIMORE & OHIO RAILROAD.

ADAMSBURG GAS COAL CO., Greensburg, operates Gress mine at Adamsburg. VEIN Pittsburgh. Thickness 7 ft. Drift and Slope. Pick mine. Daily capacity 500 tons. Analysis on file.

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PENNSYLVANIA—Westmoreland County—B. & O. R. R.—(Continued)

BRUSH RUN COAL & COKE CO., Mount Pleasant, operates Brush Run mine at Mount Pleasant. VEIN Pittsburgh. Thickness 8 ft. Slope. Daily capacity 75 tons. Coke analysis on file.

LAKE SHORE GAS COAL CO., Suterville, operates Ayres Hollow mine at Suterville. VEIN Pittsburgh. Thickness 5 ft. 8 in. Slope. Machine mine. Daily capacity 600 tons. Analysis on file.

LIGONIER VALLEY RAILROAD.

COLUMBIA COAL & COKE CO., Pittsburgh, operates Old Colony mines Nos. 1 and 2 near Ligonier. VEIN Connellsville Coking. Thickness 7½ ft. Drifts. Pick mines. Daily capacity 2000 tons.

DARLINGTON COAL CO., Ligonier, operates Darlington mine at Darlington. VEIN Freeport. Thickness 3½ ft. Drift. Pick mine. Daily capacity 50 tons. Analysis on file.

FORT LIGONIER COAL CO., Latrobe, operates Fort Ligonier mines at Ligonier. VEIN Pittsburgh. Thickness 7 ft. Drift. Pick mine. Daily capacity 500 tons.

FORT PALMER COAL & COKE CO., Latrobe, operates mine No. 1 at Ligonier. VEIN Connellsville. Thickness 7 ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "Palmer."

LIGONIER DIAMOND COAL & COKE CO., Ligonier, operates Seger mine at Wilpen. VEIN Connellsville. Thickness 8 ft. Drift. Pick mine. Daily capacity 600 tons. Analysis on file.

SHENANGO FURNACE CO., THE, Pittsburgh, operates Wilpen mine at Wilpen. VEIN Pittsburgh. Thickness 7 ft. Drift. Pick mine. Daily capacity 1000 tons.

UNITY-CONNELLSVILLE COKE CO., Latrobe, operates Elizabeth mine at Latrobe. VEIN Connellsville. Thickness 7 ft. Slope. Pick mine. Daily capacity 225 tons. Analysis on file.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

APOLLO COAL CO., Greensburg, operates North West mine at Salina. VEIN Freeport. Thickness 4½ ft. Drift. Pick mine. Daily capacity 550 tons. Trade name "Apollo." Analysis on file.

ATLANTIC CRUSHED COKE CO., Greensburg, operates Atlantic mines Nos. 1, 2 and 3 at Bradenville. VEIN Pittsburgh Connellsville Basin. Thickness 6½ ft. Drift and Shafts. Pick mines. Daily capacity 1600 tons. Trade name "Atlantic" or "Latrobe."

BEN FRANKLIN COAL CO., Freeport, operates Metcalf mine at Metcalf Station. VEIN Upper Freeport. Thickness 4 ft. Drift. Machine mine. Daily capacity 500 tons. Analysis on file.

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J. Blair Kennerly
COAL and COKE
Penn Square Bldg. PHILADELPHIA

PENNSYLVANIA—Westmoreland County—P. R. R.—(Continued)

BESSEMER COKE CO., Pittsburgh, operates Duquesne and Humphreys mines at Bradenville and Humphreys. VEIN Connellsville. Thickness 7 ft. Slope and Drift. Pick mines. Daily capacity 900 tons.

BOLIVAR COAL & COKE CO., Pittsburgh, operates Lockport mines at Lockport Station. VEIN Upper and Lower Freeport, and Kittanning. Thickness 6, 4½ and 4 ft. respectively. Drifts. Pick mines. Daily capacity 300 tons.

BOYD BROS. COAL CO., Tarentum, operates Boyd mine at Valley Camp. VEIN Freeport. Thickness 6 ft. Drift. Pick mine. Daily capacity 300 tons.

BOYD COAL CO., GEO. E., Tarentum, operates Elizabeth mine at Edgecliff. VEIN Freeport. Thickness*. Drift. Pick mine. Daily capacity 200 tons.

COCHRAN COAL CO., Inc., Williamsport, operates Cochran mine at Salina. VEIN Upper Freeport. Thickness 4 ft. 8 in. Drift. Machine mine. Daily capacity 1200 tons. Trade name "Cochran."

CONNELLSVILLE MUTUAL COKE CO., Scottdale, operates Love mine at Mutual. VEIN Connellsville. Thickness 9 to 10 ft. Drift. Pick mine. Daily capacity 100 tons.

DALLIBA COAL CO., Blairsville, operates mine at Bagdad. VEIN Upper Freeport. Thickness 3½ to 5 ft. Drift. Machine and Pick mine. Daily capacity 300 tons.

JAMISON COAL & COKE CO., Pittsburgh, operates mine No. 4 at Crab Tree. VEIN Pittsburgh. Thickness 7 ft. Slopes. Machine and Pick mine. Daily capacity 2500 tons.

Same Company operates mine No. 5 at Crab Tree. VEIN Pittsburgh. Thickness 7 ft. Drift. Pick mine. Daily capacity 500 tons.

Same Company operates mine No. 1 at Luxor, and mine No. 6 at Forbes Road. VEIN Pittsburgh. Thickness 7 ft. Slopes. Pick mines. Daily capacity 2400 tons.

Same Company operates mine No. 2 at Hannastown, and mine No. 3 at Forbes Road. VEIN Pittsburgh. Thickness 7 ft. Shafts. Machine mines. Daily capacity 4600 tons.

KENNERLY, J. BLAIR, Philadelphia, operates Valley Smokeless mine No. 2 at Seward. VEIN Miller. Thickness 4 ft. Shaft. Pick mine. Daily capacity 300 tons. Trade name "Valley Smokeless No. 2." Analysis on file.

LUCESCO COAL CO., Greensburg, operates Lucesco mine at Kiskiminetas Junction. VEIN Freeport. Thickness 3½ ft. Drift. Pick mine. Daily capacity 300 tons.

MAGEE COKE CO., Uniontown, operates Magee mine at Monmouth. VEIN Pittsburgh. Thickness 8 to 9 ft. Shaft. Pick mine. Daily capacity 90 tons.

***NOT REPORTED**

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PENNSYLVANIA—Westmoreland County—P. R. R.—(Continued)

MAJESTIC COKE CO., Uniontown, operates Empire mine at Tarr. VEIN Pittsburgh. Thickness 9 ft. Drift. Pick mine. Daily capacity 300 tons. Analysis on file.

MANOR GAS COAL CO., Philadelphia, operates mines at Claridge. VEIN Pittsburgh. Thickness*. Daily capacity 2000 tons.

NEW ALEXANDRIA COKE CO., Greensburg, operates three mines at New Alexandria. VEIN Pittsburgh. Thickness 7½ ft. Inclines. Pick mines. Daily capacity 1000 tons.

NEW YORK & CLEVELAND GAS COAL CO., Pittsburgh, operates Lyons Run mine at Pleasant Valley. VEIN Pittsburgh. Thickness 5½ ft. Drift. Pick mine. Daily capacity 1500 tons. Analysis on file.

NINEVEH COAL & COKE CO., Greensburg, operates Nineveh mine at Seward. VEIN "B" or Miller. Thickness*. Drift. Pick mine.

NORTHERN CONNELLSVILLE COKE CO., Connellsville, operates Marthabel mine at County House Junction. VEIN Connellsville. Thickness 7 ft. Drift. Pick mine. Daily capacity 80 tons.

OCEAN COAL CO., Herminie, operates Ocean mines Nos. 1 and 2 at Herminie. VEIN Pittsburgh. Thickness 6 ft. Shafts. Machine mines. Daily capacity. 4000 tons.

PEERLESS CONNELLSVILLE COKE CO., Pittsburgh, operates Carolyn mine at Alverton. VEIN Pittsburgh. Thickness 9 ft. Drift. Pick mine. Daily capacity 80 tons coke. Analysis on file.

PENN GAS COAL CO., Philadelphia, operates mines at Irwin. VEIN Pittsburgh. Thickness*. Daily capacity 6000 tons.

PITTSBURGH-WESTMORELAND COAL CO., Pittsburgh, operates Penn Manor Shaft No. 1 at Manor and Penn Manor mine No. 5 at Claridge. VEIN Pittsburgh. Thickness 7 ft. Shaft and Slope respectively. Machine mines. Daily capacity 3800 tons. Analysis on file.

SKELLY COAL CO., W. B., Export, operates Elizabeth mine at Export. VEIN Pittsburgh. Thickness 6 ft. Drift. Machine mine. Daily capacity 500 tons.

SOUTH FAYETTE COKE CO., Uniontown, operates Shirey mine at Baggaley. VEIN Pittsburgh. Thickness 8 to 9 ft. Shaft. Pick mine. Daily capacity 80 tons coke.

VALLEY CAMP COAL CO., Creighton, operates Valley Camp mine at Valley Camp. VEIN Freeport. Thickness 5 to 6 ft. Drift. Machine mine. Daily capacity 600 tons.

VALLEY COAL CO., Leechburg, operates mine at Leechburg. VEIN Upper Freeport. Thickness 4 ft. Drift. Pick mine. Daily capacity 400 tons.

***NOT REPORTED**

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PENNSYLVANIA—Westmoreland County—P. R. R.—(Continued)

VANDERGRIFT COAL CO., Saltburg, operates Vandergrift mine at West Apollo. VEIN Freeport. Thickness 3½ ft. Drift. Pick mine. Daily capacity 75 tons.

WESTMORELAND COAL CO., Philadelphia, operates mines at Yukon, Irwin, Larimer, Export and Rillton. VEIN Pittsburgh. Thickness*. Daily capacity 12000 tons. Trade name "Criterion."

YOUGHIOGHENY & OHIO COAL CO., THE, Cleveland, Ohio, operates Osborne mines Nos. 1 and 2 at West Newton. VEIN Pittsburgh.

PITTSBURGH & LAKE ERIE RAILROAD.

HENDERSON COAL CO., Pittsburgh, operates mine at East Charleroi. VEIN Pittsburgh. Thickness 6 ft. 4 in. Drift. Machine mine. Daily capacity 1000 tons. Analysis on file.

YOUGHIOGHENY & OHIO COAL CO., THE, Cleveland, Ohio, operates Howe and Budd mines near Webster. VEIN Pittsburgh.

ZUNDELL COAL CO., THE, Smithton, operates Fisher mine No. 2 at Pricedale. VEIN Pittsburgh. Thickness 6 ft. Drift. Machine mine. Daily capacity 250 tons.

*NOT REPORTED

GOODRICH CONVEYOR BELTS

Will Handle Your Coal Economically.

THE B. F. GOODRICH COMPANY, Akron, O. Write for Special Literature

TENNESSEE

Index of Veins, showing Counties in which they are found.

Vein	County
No. 2	Hamilton—Overton—Rhea
No. 4	Scott
No. 5	Rhea
No. 7	Hamilton
No. 10	Hamilton
Battle Creek	Marion
Block	Campbell
Blue Gem	Campbell
Bon Air	Fentress—Overton—White
Brushy Mountain	Morgan
Bryson	Claiborne
Cannel	Campbell
Coal Creek	Anderson—Morgan
Dean	Anderson—Scott
Gem	Campbell
Glen Mary No. 4	Scott
Isoline	Cumberland
Jack Rock	Claiborne
Jackson	Campbell
Jellico	Campbell—Claiborne—Scott
Jordon	Campbell
Middlesborough	Claiborne
Mingo	Claiborne
Nelson	Rhea
Obey City	Overton
Paint Rock	Scott
Peacock	Overton
Piedmont	Anderson
Poplar Lick	Claiborne
Red Ash	Campbell
Rex	Campbell
Richland	Rhea
Rich Mountain	Campbell
Sandstone Parting	Claiborne
Sewanee	Bledsoe—Cumberland—Grundy—Marion—Roane—White
Splint	Campbell
Sterling	Claiborne
Walden Ridge	Cumberland

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BUFFALO, N. Y.

TENNESSEE

ANDERSON COUNTY—County Seat, Clinton.

LOUISVILLE & NASHVILLE RAILROAD.

CAMPBELL COAL MINING CO., Atlanta, Ga., operates Peidmont mines at Oliver Springs. VEIN Peidmont. Thickness 3 ft. Drift. Machine mine. Daily capacity 300 tons. Trade name "Peidmont." Analysis on file.

WIND ROCK COAL & COKE CO., Bessemer, Ala., operates Wind Rock mine No. 1 at Wind Rock. VEIN Dean. Drift. Machine mine. Daily capacity 1000 tons. Trade name "Windrock Steam.' Analysis on file.

SOUTHERN RAILWAY.

ANDY'S RIDGE COAL CO., Knoxville, operates mine at Briceville. VEIN Coal Creek. Thickness 4 ft. Drift. Pick mine. Daily capacity 60 tons. Trade name "Cracker Jack." Analysis on file.

BLACK DIAMOND COAL CO., Knoxville, operates Black Diamond mines Nos. 1 and 5 at Coal Creek. VEIN Coal Creek. Thickness 4 ft. Drifts. Pick mines. Daily capacity 1200 tons. Trade name "Black Diamond."

COAL CREEK COAL CO., Knoxville, operates Fraserville and Thistle mines at Coal Creek. VEIN*. Thickness 4 ft. Drifts. Pick mines. Daily capacity 3000 tons. Trade name "Coal Creek." Analysis on file.

KNOXVILLE IRON CO., Knoxville, operates Cross Mountain mine at Briceville. VEIN Coal Creek. Thickness 48 to 52 in. Drift. Machine and Pick mine. Daily capacity 1000 tons. Trade name "Cross Mountain." Analysis on file.

RIDINGS, D. J., Briceville, operates Riding mine at Briceville. VEIN Coal Creek. Thickness 4 ft. Drift. Pick mine. Daily capacity 50 tons.

ROYAL COAL & COKE CO., Knoxville, operates Cambria mine at Coal Creek. VEIN Coal Creek. Thickness 4 ft. Drift. Machine and Pick mine. Daily capacity 800 tons. Trade name "Cambria." Analysis on file.

TENNESSEE COAL CO., THE, Knoxville, operates Tennessee and Middle Ridge mines at Briceville. VEIN Coal Creek. Thickness 4 ft. Drifts. Machine and Pick mines. Daily capacity 600 tons.

BLEDSOE COUNTY—County Seat, Pikeville.

NASHVILLE, CHATTANOOGA & ST. LOUIS RAILWAY.

ATPONTLEY COAL CO., Earlington, Ky., operates Atpontley mine at Atpontley. VEIN Sewanee. Thickness 33 in. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

*NOT REPORTED

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TENNESSEE—(Continued)

CAMPBELL COUNTY—County Seat, Jacksboro.

LOUISVILLE & NASHVILLE RAILROAD.

ANCHOR COAL CO., Knoxville, operates White Oak mine at Morley. VEIN*. Thickness 3 ft. Drift. Machine mine. Daily capacity 150 tons. Trade name "Kramor." Analysis on file.

CAMPBELL COAL MINING CO., Atlanta, Ga., operates Red Star mines at Westbourne. VEIN Jackson. Thickness*. Machine mine. Daily capacity 700 tons. Trade name "Red Star." Analysis on file.
Same Company operates Buffalo mines at Eagan. (Also Southern Ry.) VEIN Jellico. Thickness 36 to 44 in. Drift. Machine mine. Daily capacity 350 tons. Analysis on file.

DAVIS CREEK COAL CO., Cupp, operates Davis Creek mine at Hobersham. VEIN Jellico. Thickness 3 ft. Drift. Pick mine. Daily capacity 150 tons. Analysis on file.

EAST TENNESSEE COAL CO., Knoxville, operates East Tennessee mine at Jellico. VEIN Jellico. Thickness 3 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Jellico." Analysis on file.

ITALY COAL CO., Jellico, operates mine at Cupp. VEIN Jellico. Thickness 30 in. Drift. Machine mine. Daily capacity 150 tons. Analysis on file.

KIMBERLEY MINING & MFG. CO., Knoxville, operates Kimberley mines at Cupp. VEIN Rich Mountain. Thickness 40 in. Drift. Pick mine. Daily capacity 350 tons. Trade name "Kimberley."

LA FOLLETTE COAL, IRON & RY. CO., LaFollette, operates Rex mine No. 1 at La Follette. (Also Southern Ry.) VEIN*. Thickness 4 ft. Drift and Slope. Machine and Pick mine. Daily capacity 750 tons. Trade name "Rex." Analysis on file.
Same Company operates Gem mine at Peabody. VEIN Gem. Thickness 4½ ft. Drift and Incline. Machine and Pick mine. Daily capacity 750 tons. Analysis on file.
Same Company operates Rex, mine No. 2 at LaFollette. (Also Southern Ry.) VEIN Rex. Thickness 4 ft. Drift and Slope. Machine and Pick mine. Daily capacity 1200 tons. Analysis on file.

REMY COAL CO., Gatliff, operates Remy mine at Remy. VEIN Rich Mountain. Thickness 3 ft. Drift and Incline. Machine mine. Daily capacity 300 tons. Trade name "Rich Mountain." Analysis on file.

RICH MOUNTAIN COAL & COKE CO., Knoxville, operates Rich Mountain mine at Bennett. VEIN Rich Mountain. Thickness 40 in. Drift. Pick and Machine mine. Daily capacity 250 tons. Trade name "Rich Mountain."

SOUTHERN COAL & COKE CO., Knoxville, operates mine at Gatliff. VEIN Jordan. Thickness average 5 ft. Drift. Pick mine. Daily capacity 550 tons. Trade name "Regal."

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JEFFREY COAL CUTTERS, operated electrically or by compressed air, are fully illustrated and described in Bulletins Nos. 18 and 18A. The Jeffrey Manufacturing Company, *Columbus, Ohio.*

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TENNESSEE—Campbell County—L. & N. R. R.—(Continued)

TENNESSEE JELLICO COAL CO., Knoxville, operates mine at Anthras. (Also Southern Ry.) VEIN*. Thickness 4½ to 5 ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "Anthras." Analysis on file.

WYNN COAL CO., Gatliff, operates mine at Gatliff. VEIN Rich Mountain. Thickness average 3 ft. Drift. Pick mine. Daily capacity 500 tons.

SOUTHERN RAILWAY.

BAIRD, LEWIS, Elk Valley, operates Elk Valley Blue Gem mine at Elk Valley. VEIN Blue Gem. Thickness 2 ft. Drift. Pick mine. Daily capacity 20 tons.

BLUE GEM COAL CO., Jellico, operates Blue Gem mine at Jellico. VEIN Blue Gem. Thickness 26 in. Drift. Pick mine. Daily capacity 300 tons.

CAMPBELL COAL MINING CO., Atlanta, Ga., operates Buffalo mines at Eagan. (See L. & N. R. R.)

CAREYVILLE COAL CO., Careyville, operates mine at Careyville. VEIN Block. Thickness 4 ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "Red Ash." Analysis on file.

ELK VALLEY COAL MINING CO., Elk Valley, operates Jellico Seam and Splint Coal mines at Elk Valley. VEINS Jellico and Splint. Thickness 3 ft. Drifts. Machine and Pick mines. Daily capacity 250 tons.

EVANS COAL CO., Knoxville, operates mine at Jellico. VEIN Blue Gem. Thickness 22 to 26 in. Drift. Pick mine. Daily capacity 175 tons. Analysis on file.

FALLS BRANCH COAL CO., Wooldridge, operates Falls Branch and Powhatan mines at Oswego. VEINS Jellico and Blue Gem. Thickness 3 to 5 ft. and 18 to 22 in. respectively. Drifts. Pick mines. Daily capacity 500 tons. Trade names "Jellico" and "Powhatan."

LA FOLLETTE COAL, IRON & RY. CO., LaFollette, operates Rex mines Nos. 1 and 2 at LaFolette. (See L. & N. R. R.)

LAYNE, M. H., Newcomb, operates Blue Gem mine at Newcomb. VEIN Blue Gem. Thickness 2 ft. Drift. Pick mine. Daily capacity 10 tons. Analysis on file.

RED ASH COAL CO., Caryville, operates Red Ash mine at Caryville. VEIN Red Ash. Thickness 44 in. Incline and Drift. Machine mine. Daily capacity 600 tons. Trade name "Red Ash." Analysis on file.

TENNESSEE JELLICO COAL CO., Knoxville, operates mine at Anthras. (See L. & N. R. R.)

WOOLDRIDGE JELLICO COAL CO., Wooldridge, operates Wooldridge and Marion-Anna mines at Wooldridge. VEIN Jellico. Thickness 2 to 5 ft. Drifts. Pick mines. Daily capacity 900 tons.

ZECHINI COAL CO., Newcomb, operates Old Italian mine at Newcomb. VEINS Jellico, Blue Gem, and Cannel. Thickness 3 ft., 2 ft., and 37 in. respectively. Inclines. Pick mines. Daily capacity 400 tons. Trade name "Italian Coal." Analysis on file.

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TENNESSEE—(Continued)

CLAIBORNE COUNTY—County Seat, Tazewell.

LOUISVILLE & NASHVILLE RAILROAD.

BRYSON MOUNTAIN COAL & COKE CO., Middlesboro, Ky., operates Bryson Mountain mine at Bryson Mountain. (Also Southern Ry.) VEIN Bryson. Thickness 5 ft. Drift. Pick mine. Daily capacity 900 tons. Analysis on file.

KING MOUNTAIN COAL CO., Clairfield, operates King Mountain mines at Clairfield. (Also Southern Ry.) VEIN Jellico. Thickness average 44 in. Drift. Pick mine. Daily capacity 350 tons. Analysis on file.

NEW JELLICO COAL CO., Clairfield, operates New Jellico mine at Rogerton. (Also Southern Ry.) VEIN Jellico. Thickness 34 in. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

NICHOLSON COAL MINING CO., Nicholson, operates Nicholson mine No. 2 at Nicholson. (Also Southern Ry.) VEIN Sandstone Parting. Thickness 5 ft. Drift. Pick mine. Daily capacity 300 tons.

Same Company operates Nicholson mine No. 3 at Nicholson. (Also Southern Ry.) VEIN Sterling. Thickness 5½ ft. Drift and Incline. Pick mine. Daily capacity 300 tons.

Same Company operates Poplar Lick mine at Nicholson. (Also Southern Ry.) VEIN Poplar Lick. Thickness 5 ft. Drift and Incline. Pick mine. Daily capacity 200 tons.

PRUDEN COAL & COKE CO., Knoxville, operates Pruden mine at Pruden. (Also Southern Ry.) VEIN Mingo. Thickness 5 ft. Drift. Pick mine. Daily capacity 1000 tons. Trade name "Tenn.-Jellico Block." Analysis on file.

RELIANCE COAL & COKE CO., Hartranft, operates Reliance mines Nos. 1, 2 and 3 at Hartranft. (Also Southern Ry.) VEIN Middlesborough. Thickness 5 ft. Drifts. Pick mines. Daily capacity 1000 tons. Trade name "Middlesborough." Analysis on file.

STANDARD COAL & COKE CO., Clairfield, operates Standard mine at Clairfield. (Also Southern Ry.) VEIN Jellico. Thickness 40 in. Incline. Machine mine. Daily capacity 200 tons. Trade name "Standard Jellico." Analysis on file.

YELLOW CREEK COAL CO., Middlesborough, Ky., operates Yellow Creek mine No. 1 at Bosworth, Ky. (Also Southern Ry.) VEIN Jack Rock. Thickness 4 ft. Incline. Pick mine. Daily capacity 250 tons.

Same Company operates Yellow Creek mine No. 2 at Bosworth, Ky. (Also Southern Ry.) VEIN Poplar Lick. Thickness 4½ ft. Incline. Pick mine. Daily capacity 350 tons.

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TENNESSEE—Claiborne County—(Continued)

SOUTHERN RAILWAY.

BRYSON MOUNTAIN COAL & COKE CO., Middlesboro, Ky., operates Bryson Mountain mine at Bryson Mountain. (See L. & N. R. R.)

KING MOUNTAIN COAL CO., Clairfield, operates King Mountain mines at Clairfield. (See L. & N. R .R.)

NEW JELLICO COAL CO., Clairfield, operates New Jellico mine at Rogerton. (See L. & N. R. R.)

NICHOLSON COAL MINING CO., Nicholson, operates Poplar Lick mine at Nicholson. (See L. & N. R. R.)
Same Company operates Nicholson mines Nos. 2 and 3 at Nicholson. (See L. & N. R. R.)

PRUDEN COAL & COKE CO., Knoxville, operates Pruden mine at Pruden. (See L. & N. R. R.)

RELIANCE COAL & COKE CO., Hartranft, operates Reliance mines Nos. 1, 2 and 3 at Hartranft. (See L. & N. R. R.)

STANDARD COAL & COKE CO., Clairfield, operates Standard mine at Clairfield. (See L. & N. R. R.)

YELLOW CREEK COAL CO., Middlesboro, Ky., operates Yellow Creek mines Nos. 1 and 2 at Bosworth. Ky. (See L. & N. R. R.)

CUMBERLAND COUNTY—County Seat, Crossville.

TENNESSEE CENTRAL RAILROAD.

CLEAR CREEK COAL & LUMBER CO., Isoline, operates Isoline mine at Isoline. VEIN Isoline. Thickness 3 to 5 ft. Drift and Slope. Machine and Pick mine. Daily capacity 300 tons.

FALL CREEK COLLIERIES, Ozone, operates Fall Creek mine at Ozone. VEIN Sewanee. Thickness 5½ ft. Drift. Pick mine. Daily capacity 250 tons. Analysis on file.

RENFRO COAL & COKE CO., Renfro, operates Renfro mine at Renfro. VEIN Sewanee. Thickness 5 ft. Drift and Slope. Pick mine. Daily capacity 100 tons. Trade name "Renfro." Analysis on file.

WALDENSIA COAL & COKE CO., THE, Cincinnati, O., operates Waldensia mine at Waldensia. VEIN Walden Ridge. Thickness 5 to 6 ft. Slope. Pick mine. Daily capacity 400 tons. Trade name "Waldensia." Analysis on file.

FENTRESS COUNTY—County Seat, Jamestown.

TENNESSEE CENTRAL RAILROAD.

FENTRESS COAL & COKE CO., THE, Wilder, operates Fentress mine at Wilder. VEIN Bon Air No. 2. Thickness 4 ft. Drift. Pick mine. Daily capacity 450 tons. Trade name "Fentress." Analysis on file.

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TENNESSEE—(Continued)

GRUNDY COUNTY—County Seat, Altamont.

NASHVILLE, CHATTANOOGA & ST. LOUIS RAILWAY.

FLAT BRANCH COAL CO., Meeks, operates Flat Branch mine at Meeks. VEIN Sewanee. Thickness 3 to 4 ft. Pick mine. Daily capacity 150 tons. Analysis on file.

NUNLEY RIDGE COAL CO., Tracy City, operates mine at Tracy City. VEIN Sewanee. Thickness 40 in. Drift. Pick mine. Daily capacity 800 tons. Trade name "Celebrated Sewanee Steam." Analysis on file.

SEWANEE FUEL & IRON CO., Chattanooga, operates mine at Coalmont. VEIN Sewanee. Thickness 3 ft. Drift. Pick mine. Daily capacity 800 tons. Trade name "Sewanee." Analysis on file.

TENNESSEE CONSOLIDATED COAL CO., Tracy City, operates Ramsey and Reid Hill mines at Tracy City. VEIN Sewanee. Thickness 40 in. Drifts. Pick mines. Daily capacity 1500 tons. Trade name "Sewanee Steam."

HAMILTON COUNTY—County Seat, Chattanooga.

CINCINNATI, NEW ORLEANS & TEXAS PACIFIC RAILWAY.

MONTLAKE COAL CO., Chattanooga, operates Montlake mine at Montlake. VEIN No. 10. Thickness 56 in. Drift. Pick mine. Daily capacity 500 tons. Trade name "Montlake." Analysis on file.

NEW SODDY COAL CO., Soddy, operates Soddy mine at Soddy. VEIN No. 7. Thickness 30 in. Drift. Pick mine. Daily capacity 1200 tons. Trade name "Soddy." Analysis on file.

SALE CREEK COAL & COKE CO., Soddy, operates Sale Creek mine at Sale Creek. VEIN No. 2. Thickness 3½ ft. Drift. Pick mine. Daily capacity 450 tons. Analysis on file.

MARION COUNTY—County Seat, Jasper.

NASHVILLE, CHATTANOOGA & ST. LOUIS RAILWAY.

BATTLE CREEK COAL & COKE CO., Orme, operates Battle Creek mine at Orme. VEIN Battle Creek. Thickness 6 ft. Drift. Machine and Pick mine. Daily capacity 500 tons. Analysis on file.

TENNESSEE COAL, IRON & RAILROAD CO., Birmingham, Ala., operates Thomas mine at Whitwell. VEIN Sewanee. Thickness 3 to 4 ft. Slope. Pick mine. Daily capacity 1200 tons.

MORGAN COUNTY—County Seat, Wartburg.

HARRIMAN & NORTH-EASTERN RAILROAD.

BIG BRUSHY COAL & COKE CO., Petros, operates mine at Petros. VEIN Brushy Mountain. Thickness 3½ ft. Drift. Machine mine. Daily capacity 500 tons.

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TENNESSEE—Morgan County—H. & N. E. R. R.—(Continued)

BOWLING, H. B., COAL CO., Coalfield, operates Bowling mine at Coalfield. VEIN Coal Creek. Thickness 5 ft. Drift. Pick and Machine mine. Daily capacity 500 tons. Trade name "Bowling."

BRUSHY MOUNTAIN COAL MINES, Petros, operates Brushy Mountain mine at Petros. VEIN*. Thickness 3½ ft. Slope. Machine and Pick mine. Daily capacity 1600 tons.

LITTLE BRUSHY MOUNTAIN COAL CO., Coalfield, operates Little Brushy mine at Coalfield. VEIN Brushy Mountain. Thickness 3½ ft. Drift. Machine mine. Daily capacity 200 tons. Trade name "Little Brushy."

SOUTHERN RAILWAY.

BIG MOUNTAIN COAL MINING CO., Knoxville, operates Blizzard mine at Oliver Springs. VEIN Coal Creek. Thickness 4 ft. Drift. Pick mine. Daily capacity 125 tons. Trade name "Blizzard."

OLIVER COAL CO., Oliver Springs, operates Middle Creek mine near Oliver Springs. VEIN Coal Creek. Thickness 3 to 7 ft. Drift. Pick mine. Daily capacity 100 tons.

OLIVER SPRINGS COAL & CLAY CO., Oliver Springs, operates mine at Oliver Springs. VEIN Coal Creek. Thickness 3 ft. Drift. Pick mine.

POPLAR CREEK COAL CO., Knoxville, operates Poplar Creek mine at Big Mountain. VEIN Coal Creek. Thickness 44 in. Drift. Pick mine. Daily capacity 300 tons.

OVERTON COUNTY—County Seat, Livingston.

TENNESSEE CENTRAL RAILROAD.

BRIER HILL COLLIERIES, THE, New York, N. Y., operates Brier Hill mines Nos. 1, 2 and 4 at Crawford. VEIN No. 2. Thickness 2½ to 5 ft. Drifts. Pick mines. Daily capacity 500 tons. Trade name "Brier Hill." Analysis on file.

OBEY CITY COAL CO., Obey City, operates Obey City mine No. 1 at Obey City. VEIN Obey City or Peacock. Thickness 2½ to 3½ ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

PEACOCK COAL & COKE CO., Lebanon, operates Peacock mine at Obey City. VEIN Bon Air No. 2. Thickness 3 ft. Drift. Pick mine. Daily capacity 100 tons.

RHEA COUNTY—County Seat, Dayton.

CINCINNATI, NEW ORLEANS & TEXAS PACIFIC RAILWAY.

DAYTON COAL & IRON CO., THE, Ltd., Dayton, operates Richland and New Prospect mines at Dayton. VEINS Richland and Nelson. Thickness 22 in. and 4 ft. respectively. Drift and Slope. Pick mines. Capacity 600 tons. Analysis on file.

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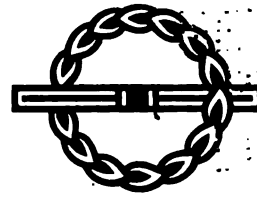

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VIRGINIA IRON, COAL & COKE CO., Roanoke, operates Imperial mine at Pennington. (See Louisville & Nashvile R. R.)

VIRGINIA-LEE CO., THE, Inc., Black Mountain, operates Virginia-Lee mine at Black Mountain. (See Louisville & Nashville R. R.)

MONTGOMERY COUNTY—County Seat, Christiansburg.
VIRGINIA ANTHRACITE COAL & RAILWAY CO.

SLUSSER, MURRAY C., Blacksburg, operates Brush Mountain mine at Blacksburg. VEIN Brush Mountain. Thickness 5 ft. Slope. Pick mine. Daily capacity 10 tons. Trade name "Brush Mountain Anthracite." Analysis on file.

VIRGINIA ANTHRACITE COAL CO., Richmond, operates Merrimac Mine at Merrimac Mines. VEIN Merrimac. Thickness 6 ft. Slope. Pick mine. Daily capacity 500 tons. Trade name "Merrimac."

PULASKI COUNTY—County Seat, Pulaski City.
NORFOLK & WESTERN RAILWAY.

PULASKI ANTHRACITE COAL CO., New York, N. Y., operates Pulaski mine at Parrott. VEIN Brush Mountain. Thickness 8 ft. Slope. Pick and Machine mine. Daily capacity 150 tons. Analysis on file.

TAZEWELL COUNTY—County Seat, Tazewell.
NORFOLK & WESTERN RAILWAY.

BIG VEIN POCAHONTAS COAL CO., Baltimore, Md., operates West Pocahontas mines Nos. 1, 2, and 3 at Pocahontas. VEIN No. 3. Average thickness 12 ft. Slopes. Machine and Pick mines. Daily capacity 2000 tons. Analysis on file.

CLINCH RIVER COAL CO., Richlands, operates Large mine at Richlands. VEIN Big Vein. Thickness 12 ft. Drift. Pick mine. Daily capacity 1000 tons. Trade name "Clinch River." Analysis on file.
Same Company operates Little mine at Richlands. VEIN*. Thickness 5½ ft. Pick mine. Daily capacity 100 tons. Trade name "Clinch River." Analysis on file.

EMPIRE COAL LAND CORPORATION, Alfredton, operates Alfredton mine at Alfredtown. VEIN Pocahontas. Thickness 4 ft. Drift. Machine mine. Daily capacity 800 tons.

POCAHONTAS CONSOLIDATED COLLIERIES CO., INC., Pocahontas, operates Boissevain Colliery at Boissevain. VEIN Pocahontas No. 3. Thickness 9 to 14 ft. Slope and Shaft. Machine and Pick mine. Daily capacity 1100 tons.
Same Company operates Pocahontas Colliery at Pocahontas. VEIN Pocahontas No. 3. Thickness 8 to 12 ft. Drift. Pick mine. Daily capacity 4000 tons.

*NOT REPORTED

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POCAHONTAS COAL
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Introduction

"COAL MINES 1910", covering Bituminous and Semi-Bituminous Mines in States east of the Mississippi River, is herewith presented for approval. The arrangement of companies, alphabetically by Counties and Railroads, is a departure from the usual manner of compiling such information and should be a great help to buyers of coal, as they can readily find the particular coal they are looking for, originating on the proper railroad.

¶ The information contained herein is authentic, as nothing has been listed that has not come direct from the operators themselves. The analysis of any mine on file will be furnished free on receipt of stamped envelope. These analyses can not be guaranteed, but will be given just as received by me.

¶ The index will be found very useful to anyone dealing with the mines, as it shows the location of the General Office, Purchasing Agent's name, and also, his address when located at some other place. It also shows where more than one company are in the same office, with one person buying for them all. This will be found very useful as a mailing list, as postage and advertising matter can be saved.

¶ "COAL MINES" will be published annually with the data revised each year, and every effort will be made to furnish reliable information, strictly up-to-date.

¶ I desire to thank all who have assisted in any way in making this issue a success, and hope the information contained herein will be found interesting, useful and instructive.

Yours very truly,

B. H. ROSE

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The O. S. Hubbell Printing Co.
Cleveland, O.

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BRATTICE CLOTH and WIRE ROPE

CORDAGE and TACKLE BLOCKS

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WEST VIRGINIA—(Continued)

CLAY COUNTY—County Seat, Clay.

CHESAPEAKE & OHIO RAILWAY.

CARTER COAL CO., Scotford, operates Carter mine at Scotford. VEIN Coalburg. Thickness 4 ft. 4 in. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

COAL & COKE RAILWAY.

ELK MANOR COAL CO., Cincinnati, Ohio, operates Elk Manor mine at Dorfee. VEINS Winifrede and Queen Shoals. Thickness 4½ ft. Drift. Machine mine. Daily capacity 400 tons. Trade name "Elk Manor Splint." Analysis on file.

ELK RIVER COAL & LUMBER CO., Clay, operates Dundon mine No. 1 at Dundon. VEIN Winifrede. Thickness 3 ft. Drift. Machine mine. Daily capacity 150 tons. Trade name "Dundon Splint." Analysis on file.

QUEEN SHOALS COAL CO., Queen Shoals, operates Queen Shoal & Burnzwell mines at Queen Shoals. VEIN No. 5. Thickness 4 ft. Drifts. Pick mines. Daily capacity 125 tons. Trade name "Burnzwell." Analysis on file.

FAYETTE COUNTY—County Seat, Fayetteville.

CHESAPEAKE & OHIO RAILWAY.

ALASKA COAL & COKE CO., Claremont, operates Alaska mine at Alaska. VEIN Firecreek. Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

BALLINGER COAL CO., Nuttallburg, operates Ballinger mines Nos. 1 and 2 at Winona. VEIN Sewell. Thickness 4 ft. Drift and Incline. Pick mines. Daily capacity 450 tons. Trade name "Orcutts New River Smokeless."

BEECHWOOD COAL & COKE CO., Claremont, operates Beechwood mines Nos. 1 and 2 at Claremont. VEIN Red Ash. Thickness 3½ to 5 ft. Drifts. Pick mines. Daily capacity 1200 tons. Analysis on file.

BEURY BROTHERS COAL & COKE CO., Beury, operates Echo mine at Beury. VEIN Firecreek. Thickness 4 ft. Drift. Pick mine. Daily capacity 300 tons. Analysis on file.

BLUME COAL & COKE CO., Lookout, operates Blume mine at Lookout. VEIN Sewell. Thickness 4 ft. Drift. Pick and Machine mine. Daily capacity 500 tons. Trade name "New River Red Ash." Analysis on file.

BROWN COAL CO., Nuttallburg, operates Brown mine at South Nuttall. VEIN Sewell. Thickness 4 ft. Drift and Incline. Pick and Machine mine. Daily capacity 600 tons. Trade name "New River Red Ash Steam." Analysis on file.

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WEST VIRGINIA—Fayette County—C. & O. Ry.—(Continued)

NEWLYN COAL CO., Newlyn, operates Thomas mine at Newlyn. VEIN Firecreek. Thickness 3 to 4 ft. Drift. Pick mine. Daily capacity 250 tons. Analysis on file.

NEW RIVER VALLEY COAL CO., Fayette, operates Bachman mine at Hawk's Nest. VEIN Sewell. Thickness 4 ft. Drift. Pick mine. Daily capacity 100 tons.

NICHOL COLLIERY CO., Glen Jean, operates Nichol mine at Glen Jean. VEIN Sewell. Thickness 5 ft. Slope. Pick and Machine mine. Daily capacity 700 tons.

NUTTALLBURG COLLIERIES CO., Nuttallburg, operates Nuttall and Keeney's Creek mines at Nuttallburg. VEIN Sewell. Thickness 4 ft. Drifts. Pick and Machine mines. Daily capacity 650 tons. Analysis on file.

PAINT CREEK COLLIERIES CO., Mucklow, operates Hickory Camp mine at Nahan. VEIN Eagle. Thickness 6 ft. Drift and Incline. Machine mine. Daily capacity 500 tons.

PRUDENCE COAL CO., Macdonald, operates Prudence mine at Prudence. VEIN Sewell. Thickness 5 ft. Drift. Pick and Machine mine. Daily capacity 900 tons. Trade name "White Oak."

QUINNIMONT COAL CO., Quinnimont, operates mine at Lawton. VEIN New River. Thickness 4 ft. Drift. Pick mine. Daily capacity 450 tons. Trade name "New River-Red Ash." Analysis on file.

ROTHWELL COAL CO., Dubree, operates Dubree mine at Dubree. VEIN Sewell or Nuttall. Thickness 3 ft. 8 in. Drift. Machine mine. Daily capacity 350 tons.

SOUTH SIDE CO., Caperton, operates South Side mine at Caperton. VEIN Sewell. Thickness 4 ft. Drift. Pick and Machine mine. Daily capacity 550 tons. Trade name "New River." Analysis on file.

STAR COAL & COKE CO., THE, Red Star, operates Star mine at Red Star. VEIN Sewell. Thickness 5 ft. Drift. Pick and Machine mine. Daily capacity 900 tons. Trade name "New River Red Ash Smokeless." Analysis on file.

SUGAR CREEK COAL & COKE CO., Macdonald, operates Sugar Creek mine at Macdonald. VEIN Sewell. Thickness 4½ ft. Drift. Pick and Machine mine. Daily capacity 700 tons. Trade name "White Oak."

THURMOND COAL CO., THE, Staunton, Va., operates Conch mine No. 1 at Concho. VEIN Sewell. Thickness*. Drift. Pick and Machine mine. Daily capacity 500 tons. Analysis on file.

Same Company operates Erskine mine No. 2 at Erskine. VEIN Firecreek. Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

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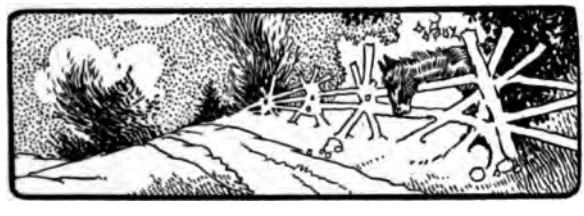

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JEFFREY CENTRIFUGAL FANS for Mine ventilation discharge more pure air per minute, operating at low speeds, than any other fan ever placed on the market. If interested, send for our descriptive literature.

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Also see page 13

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Cleveland, Ohio

Analytical Chemists and Mining Engineers

WEST VIRGINIA—Harrison County—B. & O. R. R.—(Continued)

HYGRADE COAL CO., Fairmont, operates Kuith mine at McWhorten. VEINS Redstone and Pittsburg. Thickness 7 and 8 ft. respectively. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

MADEIRA-HILL-CLARK COAL CO., Fairmont, operates Waldo, Goff, New Chieftain and Randolph mines at Wilsonburg. VEIN Pittsburg. Thickness 6 to 7 ft. Drifts. Pick and Machine mines. Trade name "Waldo."

MONROE COLLIERY CO., Clarksburg, operates Sylvester mine at Clarksburg. VEIN Fairmont No. 8. Thickness 9 ft. Incline. Machine mine. Daily capacity 400 tons. Trade name "Sylvester." Analysis on file.

NATIONAL COAL CO., Baltimore, Md., operates Dola mine at Dola. VEIN Pittsburg. Thickness 8 ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "Fairmont." Analysis on file.

O'GARA COAL MINING CO., Chicago, Ill., operates O'Gara mine at Clarksburg. VEIN Pittsburg. Thickness 6½ ft. Slope. Pick and Machine mine. Daily capacity 300 tons.

PHOENIX MINE, D. HOWARD, Receiver, Clarksburg, operates Phoenix mine at Reynoldsville. VEIN Fairmont No. 8. Thickness 6½ ft. Slope. Machine mine. Daily capacity 350 tons.

PITCAIRN COAL CO., Clarksburg, operates Pitcairn mine at Clarksburg. VEIN Pittsburg No. 8. Thickness 8 ft. Drift. Pick and Machine mine. Daily capacity 1000 tons. Analysis on file.

ROSEBUD FUEL CO., Fairmont, operates Rosebud mine at Rosebud. VEIN Pittsburg. Thickness 8½ ft. Incline. Machine mine. Daily capacity 600 tons. Trade name "Rosebud Lump" and "Fairmont Gas and Steam." Analysis on file.

SHORT LINE COAL CO., Philadelphia, Pa., operates Girard mine No. 2 at Dola. VEIN*. Thickness 8 ft. Drift. Pick mine. Daily capacity 400 tons. Trade name "Girard."

SOUTHWESTERN COAL CO., Clarksburg, operates Miller mines Nos. 1 and 2 at Wilsonburg. VEIN Pittsburg. Thickness 7 to 8 ft. Inclines. Pick mines. Daily capacity 250 tons.

VINCENT COAL CO., Philadelphia, operates Clarksburg mine at Clarksburg. VEIN Pittsburg. Thickness 8 ft. Drift. Pick mine. Daily capacity 400 tons. Trade name "Vincent."

VIRGINIA MARYLAND COAL CORPORATION, Baltimore, Md., operates Willard mines Nos. 1 and 2 at Shinnston. VEIN Pittsburg. Thickness 9 ft. Drifts. Machine and Pick mines. Daily capacity 1000 tons. Trade name "Willard."

* Not Incorporated

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ALABAMA

BIBB COUNTY—County Seat, Centerville.

ALABAMA GREAT SOUTHERN RAILROAD.

HILLS CREEK COAL CO., Blocton, operates Slope No. 2 at Blocton. (Also L. & N. R. R. and Southern Ry.) VEIN Blocton No. 1. Thickness 3 ft. Slope. Pick mine. Daily capacity 700 tons.

HOWELLS MINING CO., THE, Blocton, operates Smith Shaft at Blocton. (Also L. & N. R. R., M. & O. R. R. and Southern Ry.) VEIN Clark or No. 1. Thickness 2½ ft. Shaft. Pick mine. Daily cpaacity 300 tons. Analysis on file.

LOUISVILLE & NASHVILLE RAILROAD.

ALABAMA FUEL & IRON CO., Birmingham, operates Daley mine at Marvel. (Also Southern Ry.) VEIN Black Shale. Thickness 4 ft. Slope. Pick mine. Daily capacity 800 tons.

BESSEMER COAL, IRON & LAND CO., Birmingham, operates Belle Ellen mine at Belle Ellen. (Also Southern Ry.) VEIN Youngblood. Thickness 3 ft. Slope. Pick mine. Daily capacity 500 tons. Trade name "Belle Ellen." Analysis on file.

BLOCTON CAHABA COAL CO., Coleanor, operates Coleanor mine at Coleanor. (Also Southern Ry.) VEIN Thompson. Thickness 4½ to 5 ft. Slope. Pick mine. Daily capacity 450 tons. Trade name "Coleanor." Analysis on file.

CAHABA SOUTHERN COAL MINING CO., Birmingham, operates Hargrove mine at Hargrove. (Also Southern Ry.) VEIN Underwood. Thickness 5 ft. Slope. Pick mine. Daily capacity 500 tons.

CALLOWAY COAL CO., Memphis, Tenn., operates Garnsey mine at Garnsey. (Also Southern Ry.) VEIN Thompson. Thickness 4½ ft. Slope. Pick mine. Daily capacity 1200 tons. Trade name "Garnsey."

HILLS CREEK COAL CO., Blocton, operates Slope No. 2 at Blocton. (See A. G. S. R. R.)

HOWELLS MINING CO., THE, Blocton, operates Smith Shaft at Blocton. (See A. G. S. R. R.)

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WIRE ROPE

THE
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CLEVELAND, OHIO

TACKLE
BLOCKS

W. S. & J. S. MANUEL

Lake Forwarders COAL

1409-11 Rockefeller Bldg. CLEVELAND, O.

WEST VIRGINIA—Kanawha County—C. & O. Ry.—(Continued)

EQUITABLE COAL CO., Columbus, Ohio, operates mine at Crown Hill. VEIN Kanawha. Thickness 5½ ft. Incline. Machine mine. Daily capacity 600 tons. Trade name "Crown Hill Splint." Analysis on file.

IMPERIAL COLLIERY CO., Burnwell, operates Imperial mine No. 1 at Burnwell. VEIN Eagle. Thickness 6 ft. Drift. Machine mine. Daily capacity 600 tons. Trade name "Imperial Steam." Analysis on file.

Same Company operates Imperial mine No. 2 at Burnwell. VEIN Eagle. Thickness 4 ft. Drift. Machine mine. Daily capacity 400 tons. Trade name "Imperial Steam." Analysis on file.

Same Company operates Imperial mine No. 3 at Burnwell. VEIN Eagle. Thickness 4½ ft. Drift. Machine mine. Daily capacity 800 tons. Trade name "Imperial Steam." Analysis on file.

MORRIS CREEK COLLIERY CO., Standard, operates mine No. 5 at Donwood. VEIN No. 5. Thickness 5 ft. Drift. Machine mine. Daily capacity 400 tons.

Same Company operates Morris Creek mine at Donwood. VEIN Winifrede. Thickness 4½ ft. Drift. Machine mine. Daily capacity 350 tons.

PAINT CREEK COLLIERIES CO., Mucklow, operates Paint Creek and Scranton mines at Mucklow, Banner mine No. 1 at Banner and Wacomah mine at Wacomah. VEIN Coalburg. Thickness 7 to 8 ft. Drifts and Inclines. Machine mines. Daily capacity 2900 tons.

Same Company operates Green Briar mine No. 2 at Green Castle, and Nockolls mine at Nockolls. VEIN No. 2 Gas. Thickness 5 ft. Drifts and Inclines. Pick mines. Daily capacity 950 tons.

Same Company operates Green Briar mine No. 3 at Green Castle. VEIN Winifrede. Thickness 7 ft. Drift and Incline. Machine mine. Daily capacity 300 tons.

Same Company operates Grose mine No. 1 at Twinsburg and Morton mine at Morton. VEIN Eagle. Thickness 4 ft. Drifts and Inclines. Machine mines. Daily capacity 400 tons.

Same Company operates Grose mine No. 2 at Twinsburg and Detroit mine at Detroit. VEIN Powellton. Thickness 7 and 5 ft. respectively. Drifts and Inclines. Machine mines. Daily capacity 700 tons.

Same Company operates Banner mine No. 2 at Banner. VEIN Crown Hill. Thickness 5 ft. Drift and Incline. Machine mine. Daily capacity 200 tons.

PEERLESS COAL CO., Lewiston, operates Peerless mine at Lewiston. VEIN Peerless. Thickness 31 inches. Drift. Pick mine. Daily capacity 100 tons. Trade name "Peerless."

PERSINGER COAL CO., THE, Goshen, Va., operates Wilton mine at Miami. VEIN Cedar Grove. Thickness 3½ ft. Drift. Machine mine. Daily capacity 100 tons.

REPUBLIC COAL CO., Carbon, operates mines Nos. 1 and 2 and Republic mine No. 3 at Republic. VEIN Cabin Creek Gas. Thickness 4 to 6½ ft. Drifts and Incline. Machine mines. Daily capacity 1350 tons. Trade name "Carbon No. 2 Gas." Analysis on file.

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RODEN COAL CO., Marvel, operates Marvel mines Nos. 1 and 2 at Marvel. (See L. & N. R. R.)

BLOUNT COUNTY—County Seat, Oneonto.

LOUISVILLE & NASHVILLE RAILROAD.

LEHIGH COAL CO., Lehigh, operates Lehigh mine at Lehigh. VEIN Black Creek. Thickness 3 ft. Drift. Pick mine. Daily capacity 400 tons. Analysis on file.

DE KALB COUNTY—County Seat, Fort Payne.

ALABAMA GREAT SOUTHERN RAILWAY.

RAGAN MINING CO., Chattanooga, Tenn., operates Eureka mine near Battelle. VEIN Eureka. Thickness 3 to 5 ft. Slope. Machine mine. Daily capacity 300 tons.

CHATTANOOGA SOUTHERN RAILROAD.

LOOKOUT FUEL CO., Lahusage, operates Lookout mine at Lahusage. VEIN Brushy Creek. Thickness 2 ft. 2 in. Drift and Incline. Pick mine. Daily capacity 100 tons. Trade name "Lookout-Vulcan" Blacksmith Coal. Analysis on file.

JEFFERSON COUNTY—County Seat, Birmingham.

BIRMINGHAM SOUTHERN RAILROAD.

TENNESSEE COAL, IRON & RAILROAD CO., Birmingham, operates Pratt mine No. 1 at Pratt City. VEIN Pratt. Thickness 4 ft. Shaft and Slope. Pick and Machine mine. Daily capacity 600 tons.
Same Company operates Pratt mines Nos. 2, 7, 10 and 14 at Pratt City. VEIN Pratt. Thickness 4 ft. Slopes. Pick mines. Daily capacity 1850 tons.
Same Company operates Pratt mine No. 3 at Ensley. VEIN Pratt. Thickness 4 ft. Slope. Machine mine. Daily capacity 1300 tons.
Same Company operates Pratt mine No. 4 at Ensley. VEIN Pratt. Thickness 4 ft. to 4 ft. 4 in. Slope. Pick and Machine mine. Daily capacity 1000 tons.
Same Company operates Pratt mines Nos. 5 and 8 at Wylam. VEIN Pratt. Thickness 4 ft. Slopes. Pick and Machine mines. Daily capacity 1750 tons.
Same Company operates Pratt mine No. 12 at Booker City. VEIN Pratt. Thickness 40 to 48 in. Shaft. Machine mine. Daily capacity 1500 tons.
Same Company operates Pratt Drifts at Pratt City. VEIN Pratt. Thickness 4 ft. to 4 ft. 4 in. Drift. Pick mine. Daily capacity 150 tons.

ENSLEY SOUTHERN RAILROAD.

PRATT CONSOLIDATED COAL CO., Birmingham, operates Maxine mine at Maxine. VEIN Pratt. Thickness 3½ ft. Drift. Pick mine. Daily capacity 800 tons. Trade name "Pratt." Analysis on file.

AUSTIN POWDER COMPANY, Cleveland, Ohio
Manufacturers of The Highest Standard of
Mining and Blasting Powders

Pratt Consolidated Coal Company

MINERS AND SHIPPERS OF

PRATT AND OTHER HIGH GRADE COALS

AND MANUFACTURERS OF COKE

BIRMINGHAM, ALA.

ALABAMA—Jefferson County—(Continued)

LOUISVILLE & NASHVILLE RAILROAD.

CENTRAL COAL CO., Birmingham, operates Kimberly mine No. 2 at Kimberly. VEIN Jefferson. Thickness 3 ft. Slope. Pick mine. Daily capacity 750 tons.

CRESCENT COAL CO., Birmingham, operates Seloca mine at Seloca. VEIN Jefferson. Thickness 3½ ft. Slope. Pick mine. Daily capacity 300 tons. Analysis on file.

DESOTA COAL MINING & DEVELOPMENT CO., Birmingham, operates Indio mine at Morris. VEINS Jefferson and Black Creek. Thickness 3 ft. Shaft. Pick mine. Daily capacity 600 tons. Trade name "Indio." Analysis on file.

EAST PRATT COAL CO., Birmingham, operates Clift Drifts Nos. 1 and 3 at Clift. VEIN Pratt. Thickness 3 ft. 3 in. Drifts. Pick mines. Daily capacity 250 tons.

EXPORT PRATT COAL CO., Birmingham, operates Export mine at Praco. VEINS Pratt and Nickle Plate. Thickness 3 and 3½ ft. respectively. Drifts. Pick mines. Daily capacity 150 tons. Trade name "Export."

IMPERIAL COAL & COKE CO., Birmingham, operates mines Nos. 1, 2 and 3 at Bradford. VEIN Black Creek. Thickness 20 to 48 in. Drifts and Slopes. Pick mine. Daily capacity 200 to 250 tons. Analysis on file.

MABEL MINING CO., Warrior, operates Mabel mine at El Vesta. VEIN Black Creek. Drifts and Incline. Pick mine. Daily capacity 250 tons. Trade name "Mabel Black Creek." Analysis on file.

MILNER COAL & RAILROAD CO., Anniston, operates New Castle mine at New Castle. VEIN*. Thickness 6 ft. Slope. Pick mine. Daily capacity 1500 tons. Trade name "Milner."

PRATT CONSOLIDATED COAL CO., Birmingham, operates Blacree mine at Colta. VEIN Black Creek. Thickness 3 ft. Slope. Pick mine. Daily capacity 300 tons. Trade name "Black Creek." Analysis on file.

Same Company operates Praco mine at Praco. VEIN Big Seam. Thickness 7 to 8 ft. Drift. Pick Mine. Daily capacity 800 tons. Analysis on file.

Same Company operates Mineral Springs mine at Mineral Springs, Arcadia mine at Arcadia, Crocker mine at Crocker and Jett mine at Yasmar. VEIN Pratt. Thickness 3 to 4½ ft. Drifts. Pick mines. Daily capacity 2150 tons. Trade name "Pratt." Analyses on file.

Same Company operates Banner mine at Banner. VEIN Big Seam. Thickness 7 to 8 ft. Shaft. Machine mine. Daily Capacity 2000 tons. Trade name "Banner." Analysis on file.

SIBLEY BROTHERS COAL CO., Birmingham, operates Langley mines Nos. 1 and 2 at Langley. VEIN Black Creek. Thickness 30 in. Drifts. Pick and Machine mines. Daily capacity 250 tons. Trade name "Sibley Black Creek." Analysis on file.

* NOT REPORTED

JEFFREY CRUSHERS AND PULVERIZERS for reducing Coal and Coke are the best on the market. Bulletin No. 31 explains reasons why. Send for copy. The Jeffrey Manufacturing Company, Columbus, Ohio.

One Goodrich Conveyor Belt Deserves Another

Renewal Orders Come Easily.

The B. F. Goodrich Co. Akron, Ohio

ALABAMA—Jefferson County—L. & N. R. R.—(Continued)

SOUTH PRATT COAL CO., Birmingham, operates Ridgeland mine at Ridgeland. VEIN Pratt. Thickness 39 in. Drift. Pick mine. Daily capacity 125 tons.

TENNESSEE COAL, IRON & RAILROAD CO., Birmingham, operates Blue Creek mine at Sunter, Blue Creek No. 4 at Johns, Blue Creek No. 5 at Adger and Blue Creek No. 6 at Apatele. VEIN Blue Creek. Thickness 6 ft. Slopes. Pick mines. Daily capacity 2850 tons.

MARY LEE RAILROAD.

ALABAMA CONSOLIDATED COAL & IRON CO., Birmingham, operates Lewisburg mine at Lewisburg. VEIN Mary Lee. Thickness 6 ft. Slope. Pick mine. Daily capacity 1200 tons. Analysis on file.

ST. LOUIS & SAN FRANCISCO RAILROAD.

PALOS COAL & COKE CO., Palos, operates Palos mines Nos. 1 and 4 at Palos. VEIN Mary Lee. Thickness 4 to 6 ft. Slopes. Pick and Machine mines. Daily capacity 800 tons. Analysis on file.

SOUTHERN RAILWAY.

BIG FOUR COAL CO., Birmingham, operates Big Four mine at Birmingham. VEIN Big Seam. Thickness 7 ft. 4 in. Slope. Pick mine. Daily capacity 300 tons.

PRATT CONSOLIDATED COAL CO., Birmingham, operates New Pratt and Togo mines at Blossburg. VEIN Pratt. Thickness 3 to 4½ ft. Drifts. Pick mines. Daily capacity 1100 tons. Trade name "Pratt." Analysis on file.

TENNESSEE COAL, IRON & RAILROAD CO., Birmingham, operates Blossburg mines "A," "B" and "E" at Blossburg. VEIN Pratt. Thickness 38 to 48 in. Slopes. Pick mines. Daily capacity 1175 tons.
Same Company operates Henry Ellen mine No. 6 at Henry Ellen. VEIN Thompson. Thickness 6 ft. Slope. Pick mine. Daily capacity 250 tons.

WARRIOR-PRATT COAL CO., Birmingham, operates Porter mine at Porter. VEIN Mary Lee. Thickness 10 ft. Slope. Machine and Pick mine. Daily capacity 600 tons.

ST. CLAIR COUNTY—County Seat, Ashville.

CENTRAL OF GEORGIA RAILROAD.

ALABAMA FUEL & IRON CO., Birmingham, operates Margaret mine at Margaret. VEIN Harkness. Thickness 5 ft. Slope. Pick mine. Daily capacity 1500 tons.

SEABOARD AIR LINE RAILWAY.

BRANCH COAL CO., Coal City, operates Branch mine at Coal City. VEIN Upper. Thickness 5 ft. Slope. Pick mine. Daily capacity 60 tons.

THE UPSON-WALTON COMPANY *CLEVELAND OHIO*

BRATTICE CLOTH and WIRE ROPE

CORDAGE and TACKLE BLOCKS

JEFFREY BUCKET ELEVATORS are made in sizes to suit a variety of requirements. Bucket Booklet No. 34 will be mailed on request. The Jeffrey Manufacturing Company, Columbus, Ohio.

ALABAMA—(Continued)

SIBLEY COUNTY—County Seat, Columbiana.

LOUISVILLE & NASHVILLE RAILROAD.

ALABAMA FUEL & IRON CO., Birmingham, operates Acton mine at Acton. VEINS Helena and Black Shale. Thickness 6½ and 3½ ft. respectively. Slope. Pick mine. Daily capacity 1500 tons.

BUCK COAL CO., Birmingham, operates Falliston mine at Falliston. (Also Mineral R. R.) VEIN Buck. Thickness 3½ to 4 ft. Slope. Pick mine. Daily capacity 150 tons. Trade name "Falliston Cahaba." Analysis on file.

CAHABA COAL CO., Birmingham, operates mine at Coalmont. VEIN Thompson. Thickness 4 to 5 ft. Slope. Pick mine. Daily capacity 500 tons. Trade name "Coalmont."

MINERAL RAILROAD.

BUCK COAL CO., Birmingham, operates Falliston mine at Falliston. (See L. & N. R. R.)

SOUTHERN RAILWAY.

CLIMAX COAL CO., Maylene, operates Climax mine at Maylene. VEIN Climax. Thickness 28 in. Slope. Pick mine. Daily capacity 125 tons. Analysis on file.

MONTEVALLO MINING CO., Aldrich, operates Montevallo Slope No. 1 at Aldrich. VEIN Montevallo. Thickness 30 in. Slope. Machine mine. Daily capacity 175 tons. Trade name "Montevallo." Analysis on file.

MONTEVALLO-SHELBY COAL CO., Straven, operates Montevallo mine at Straven. VEIN Montevallo. Thickness 2 ft. 2 in. Slope. Trade name "Montevallo." Analysis on file.

SOUTHERN COAL & COKE CO., Maylene, operates Glen Carbon mine at Glen Carbon. VEIN Gholson. Thickness 3½ ft. Slope. Pick mine. Daily capacity 400 tons. Analysis on file.

TUSCALOOSA COUNTY—County Seat, Tuscaloosa.

LOUISVILLE & NASHVILLE RAILROAD.

ABERNANT COAL CO., Abernant, operates Abernant mine at Abernant. (Also Mineral R. R.) VEIN Jagger. Thickness 6 ft. Slope. Pick mine. Daily capacity 500 tons. Analysis on file.

ALABAMA CONSOLIDATED COAL & IRON CO., Birmingham, operates Searless mine at Searless. VEINS Brookwood and Milldale combined. Thickness 6 ft. Drift and Slope. Pick mine. Daily capacity 1500 tons. Analysis on file.

Same Company operates Brookwood mine at Brookwood. VEINS Midvale and Carter. Thickness each 30 in. Slope. Pick mine. Daily capacity 400 tons. Analysis on file.

Same Company operates Brookwood mine. VEIN Brookwood. Thickness 4 ft. Drift. Pick mine. Daily capacity 400 tons. Analysis on file.

GOODRICH CONVEYOR BELTS

The Product of the Largest and Best Equipped Rubber Factory in the World.

THE B F. GOODRICH CO. AKRON, OHIO

AUSTIN POWDER COMPANY

Manufacturers of
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Dealers in
Fuse, Caps and Blasting Supplies

CLEVELAND OHIO

ALABAMA—Tuscaloosa County—L. & N. R. R.—(Continued)

DAVIS CREEK COAL & COKE CO., Abernant, operates Rockcastle mine at Rockcastle. VEIN Jagger. Thickness 7½ ft. Slope. Pick mine. Daily capacity 700 tons. Trade name "Rockcastle." Analysis on file.

YOLANDE COAL & COKE CO., Birmingham, operates Yolande mine at Yolande. VEIN Jagger. Thickness 7 ft. Slope. Pick mine. Daily capacity 1600 tons. Analysis on file.

MINERAL RAILROAD.

ABERNANT COAL CO., Abernant, operates Abernant mine at Abernant. (See L. & N. R. R.)

MOBILE & OHIO RAILROAD.

CENTRAL IRON & COAL CO., Holt, operates Kellerman mine at Kellerman. VEINS Brookwood and Milldale. Thickness 6 ft. Drift. Pick mine. Daily capacity 1100 tons.

DEER CREEK COAL CO., Marietta, operates Tidewater mine at Tidewater. VEIN*. Thickness 4 ft. Drift. Pick mine. Daily capacity 50 tons.

WARRIOR RIVER.

BLAIR COAL CO., Tuscaloosa, operates Blair mine at Tuscaloosa. VEIN Gorel. Thickness 3½ ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

WALKER COUNTY—County Seat, Jasper.

CENTRAL OF GEORGIA RAILWAY.

DURHAM COAL & COKE CO., Chattanooga, Tenn., operates Durham mine at Pittsburgh, Ga. VEIN Durham. Thickness 4 ft. Drift. Pick mine. Daily capacity 900 tons. Analysis on file.

ILLINOIS CENTRAL RAILROAD.

FRISCO-CENTRALS COAL CO., Birmingham, operates mine No. 2 at Dora. (Also St. Louis & San Francisco R. R.) VEIN Big Seam. Thickness 3 to 9 ft. Drift and Slope. Pick mine. Daily capacity 200 tons.

SAMOSET COAL CO., Samoset, operates Samoset mine at Samoset. (Also St. Louis & San Francisco R. R.) VEIN Big Seam. Thickness 7 ft. Slope. Pick mine. Daily capacity 350 tons.

WEST PRATT COAL CO., Birmingham, operates mines Nos. 1 to 8 and Bear Hollow mine at Dora. (Also St. Louis & San Francisco R. R.) VEIN Mt. Carmel. Thickness 3 to 6 ft. Drifts and Slopes. Pick mines. Daily capacity 800 tons.

LOUISVILLE & NASHVILLE RAILROAD.

PRATT CONSOLIDATED COAL CO., Birmingham, operates Hecla mine at Hecla. VEIN Black Creek. Thickness 3 ft. Slope. Pick mine. Daily capacity 300 tons. Trade name ' Black Creek." Analysis on file.
Same Company operates Wegra, Gamma and Colta mines at Colta. VEIN Big Seam. Thickness 7 to 8 ft. Slopes. Pick mines. Daily capacity 1600 tons. Trade name "Colta." Analysis on file.

JEFFREY COAL MINE EQUIPMENTS are selected for Mines where strictly modern and dependable apparatus is required. Write for particulars. The Jeffrey Manufacturing *Company, Columbus, Ohio.*

Pratt Consolidated Coal Co.
MINERS AND SHIPPERS OF
PRATT AND OTHER HIGH GRADE COALS
AND MANUFACTURERS OF COKE
BIRMINGHAM, ALA.

ALABAMA—Walker County—(Continued)
NORTHERN ALABAMA RAILWAY.

BLACK CREEK COAL CO., Nauvoo, operates mines Nos. 1 and 2 at Nauvoo. (Also Southern Ry.) VEIN Black Creek. Thickness 28 to 36 in. Drifts. Machine and Pick mines. Daily capacity 300 tons. Analysis on file.

CAHABA COAL CO., Birmingham, operates mine at Nauvoo. VEIN Black Creek. Thickness 28 in. Drift. Machine mine. Daily capacity 150 tons. Trade name "Nauvoo."

JOHN HENRY COAL CO., Jasper, operates John Henry mine at Jasper. VEIN Mary Lee. Thickness 6 ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

PRATT CONSOLIDATED COAL CO., Birmingham, operates Cambie mine at Cambie. VEIN Mary Lee. Thickness 7 to 8 ft. Slope. Pick mine. Daily capacity 600 tons. Trade name "Cambie." Analysis on file. Same Company operates Mammoth mine at Mammoth. VEIN Mary Lee. Thickness 8 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Mammoth." Analysis on file.

ST. LOUIS & SAN FRANCISCO RAILROAD.

ALABAMA COAL CO., Birmingham, operates Alabama and No. 3 mines at Galloway. VEIN Jagger. Thickness 4½ ft. Slopes. Pick mines. Daily capacity 300 tons. Analysis on file.

BLACK CROW COAL CO., Birmingham, operates McCullum mine at McCullum. VEIN Big Seam. Thickness 6 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Black Crow." Analysis on file.

BLACK DIAMOND COAL MINING CO., Birmingham, operates Black Diamond mine at Dora. VEIN Big Seam. Thickness 6½ ft. Drift.

CARBON HILL & LOST CREEK COAL & COKE CO., Carbon Hill, operates West Carbon mine at Carbon Hill. VEIN Jagger. Thickness 3 ft. 4 in. Slope. Pick mine. Daily capacity 200 tons.

COMMERCIAL COAL MINING CO., Birmingham, operates Commercial mine at Lorton. VEIN Big Seam. Thickness 6½ ft. Drift.

EMPIRE COAL CO., Birmingham, operates Empire mine at Empire. VEIN Black Creek. Thickness 32 in. Drift. Machine and Pick mine. Daily capacity 750 tons. Analysis on file.

FRISCO-CENTRALS COAL CO., Birmingham, operates mine No. 2 at Dora. (See Ill. Cent. R. R.)

CALLOWAY COAL CO., Memphis, Tenn., operates mines Nos. 5 and 6 at Carbon Hill. VEIN Jagger. Thickness 4½ ft. Slopes. Machine and Pick mines. Daily capacity 2100 tons. Trade name "Calloway." Same Company operates Chickasaw mine at Chickasaw. VEIN Jagger. Thickness 4½ ft. Shaft. Machine and Pick mine. Daily capacity 750 tons. Trade name "Calloway."

GREAT ELK CO., Carbon Hill, operates McDonald mine at Carbon Hill. VEIN Jagger. Thickness 4 ft. 8 in. Shaft. Machine and Pick mine. Daily capacity 350 tons.

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EXCLUSIVE MINERS OF
Elk River, Galloway and Garnsey Coal
MEMPHIS, TENN.

Brattice Cloth and Wire Rope — **Cordage and Tackle Blocks**

THE UPSON-WALTON CO.

CLEVELAND, OHIO

ALABAMA—Walker County—St. L. & S. F. R. R.—(Continued)

INDIAN HEAD MILLS OF ALABAMA, Cordova, operates Indian Head mine at Cordova. (Also Southern Ry.) VEIN Mt. Carmel. Thickness 3 to 4 ft. Drift. Pick mine. Daily capacity 75 tons.

PIEL MINING CO., JOHN D., Birmingham, operates Pocahontas mine at Pocahontas. VEIN Jagger. Thickness 3½ to 5 ft. Shaft. Pick mine. Daily capacity 300 tons. Analysis on file.

PRATT CONSOLIDATED COAL CO., Birmingham, operates Dora mines Nos. 8 and 10 at Dora. VEIN Big Seam. Thickness 7 to 8 ft. Slope. Pick mine. Daily capacity 1350 tons. Trade name "Dora." Analysis on file.

SAMOSET COAL CO., Samoset, operates Samoset mine at Samoset. VEIN Mary Lee. Thickness 6 to 9 ft. Slope. Pick mine. Daily capacity 400 tons. **Same Company** operates another mine at Samoset. (See Ill. Cent. R. R.)

WEST PRATT COAL CO., Birmingham, operates mines Nos. 1 to 8 and Bear Hollow mine at Dora. (See Ill. Cent. R. R.)

YARBROUGH COAL CO., Carbon Hill, operates Yarbrough mine No. 3 at Carbon Hill. VEIN Jagger. Thickness 5 ft. Slope. Machine mine. Daily capacity 500 tons.

SOUTHERN RAILWAY.

ALABAMA COAL, MINERAL & LUMBER CO., Reading, Pa., operates Ruby mine at Cordova. VEIN Big Vein or Horse Creek. Thickness 3 to 6 ft. Drift. Machine and Pick mine. Daily capacity 250 tons. Analysis on file.

ANNIE MAE COAL MINING CO., Corona, operates Annie Mae mine at Corona. VEIN Black Creek. Thickness 30 in. Drift. Machine mine. Daily capacity 75 tons. Trade name "Wolf Creek." Analysis on file.

BARNEY COAL CO., Cordova, operates Barney mine at Cordova. VEIN Big Seam. Thickness 8 ft. Slope. Machine and Pick mine. Daily capacity 750 tons.

BIG RIDGE COAL CO., Jasper, operates Big Ridge mine at America Junction. VEIN America. Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

BLACK CREEK COAL CO., Nauvoo, operates mines Nos. 1 and 2 at Nauvoo. (See Northern Ala. Ry.)

CORDOVA COAL & COKE CO., Birmingham, operates Hobson mine at Cordova. VEIN Mt. Carmel. Thickness 2 ft. 9 in. Drift. Pick mine. Daily capacity 200 tons.

JEFFREY COAL CUTTERS, operated electrically or by compressed air, are fully illustrated and described in Bulletins Nos. 18 and 18A. The Jeffrey Manufacturing Company, *Columbus, Ohio.*

JEFFREY SHORTWALL COAL CUTTERS for room and pillar mining on longwall plan—maximum service with minimum power. Write for descriptive matter. The Jeffrey Manufacturing Company, Columbus, Ohio.

ALABAMA—Walker County—Southern Ry.—(Continued)

CORONA COAL & IRON CO., Corona, operates Corona mine No. 3 at Corona, West Corona mine at West Corona, Patton mine at Patton and Coal Valley mine at Coal Valley. VEIN Corona. Thickness 4 ft. Drifts. Machine mines. Daily capacity 2200 tons. Analysis on file.
Same Company operates Lockhart mine at Lockhart and May Emma mine at Coal Valley. VEIN Corona. Thickness 4 ft. Drifts. Pick mines. Daily capacity 500 tons. Analysis on file.

GAYOSO COAL CO., Corona, operates Gayoso and Little Gayoso mines at Gayoso. VEIN Pratt. Thickness 3½ ft. Drifts. Pick mines. Daily capacity 300 tons. Trade name "Pratt Gayoso."

INDIAN HEAD MILLS OF ALABAMA, Cordova, operates Indian Head mine at Cordova. (See St. L. & S. F. R. R.)

MOUNTAIN VALLEY COAL & COKE CO., Marietta, operates Mountain Valley mine at Oakman. VEIN Corona. Thickness 35 to 40 in. Drift. Pick mine. Daily capacity 50 tons.

PEERLESS COAL CO., Birmingham, operates Peerless mine at Lees Peer. VEIN America. Thickness 3 ft. Drift. Pick mine. Daily capacity 150 tons.

PENNSYLVANIA COAL CO., Reading, Pa., operates Borden mine No. 1 at Drifton. VEIN America. Thickness 4 ft. 2 in. Drift. Pick mine. Daily capacity 300 tons.
Same Company operates Borden mine No. 2 at Drifton. VEIN Pratt. Thickness 3 ft. Drift. Pick mine. Daily capacity 100 tons.

PRATT CONSOLIDATED COAL CO., Birmingham, operates Clipper mine at Clipper. VEIN Big Seam. Thickness 7 to 8 ft. Slope. Pick mine. Daily capacity 600 tons. Trade name "Clipper." Analysis on file.

TUSCALOOSA MINING CO., Oakman, operates Tuscaloosa and Antoinette mines at Oakman. VEIN Corona. Thickness 34 in. Drifts. Pick mines. Daily capacity 150 tons.

WINSTON COUNTY—County Seat, Double Spring.

NORTHERN ALABAMA RAILWAY.

ECLIPSE COAL CO., Birmingham, operates Eclipse mine at Natural Bridge. VEIN Black Creek. Thickness 28 to 30 in. Drift. Pick mine. Daily capacity 100 tons. Trade name "Natural Bridge Domestic."

NAILEN COAL CO., JAMES, Delmar, operates Mary Anthony mine at Delmar. VEIN Black Creek. Thickness 30 in. Drift. Pick mine. Analysis on file.

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Also see page 1

The Jeffrey Manufacturing Company

Columbus, Ohio

1910

[illegible] TENTOR
CHEMIST

[illegible] Mahler Atwater bomb calorimeter [illegible] sample of coal.
Address: [illegible] Superior [illegible] N. W. Cleveland Ohio.

WEST VIRGINIA—Mineral County—W. M. R. R.—(Continued)

UPPER POTOMAC COAL CO. [illegible] operates Upper Potomac mine at [illegible] Thickness 5 to 6 ft. Drift [illegible] mine [illegible] "Upper Potomac" Analysis [illegible]

MINGO COUNTY—County Seat Williamson.
NORFOLK & WESTERN RAILWAY.

BORDERLAND COAL CO. [illegible] operates Borderland mine at Borderland [illegible] Drift. Pick and Machine mine [illegible]

BUFFALO COLLIERIES CO., THE [illegible] operates Buffalo White Ash [illegible] Drift. Machine [illegible] "Buffalo White Ash." Analysis [illegible]

BURNWELL COAL & COKE CO. [illegible] operates Burnwell mine at [illegible] Drift. Machine mine [illegible] "Burnwell." Analysis on file. (Mine [illegible]

CHATTAROY COLLIERY CO. [illegible] operates Chattaroy mine at Chattaroy [illegible] Machine mine [illegible] "Chattaroy White Ash."

GLEN ALUM [illegible] mines No. 1 and 2 at Glen Alum [illegible] Drift. Pick and Machine mines [illegible]

HOWARD COLLIERY CO. [illegible] mine at Chattaroy. VEIN [illegible] mine. Daily capacity [illegible] Analysis on file.

LINDENHOCKEN COAL CO. [illegible] operates Lindenhocken mine at [illegible] Drift. Pick and Machine [illegible] "Lindenhocken." Analysis on file.

MARGARET MINING CO. [illegible] operates mine at War Eagle. [illegible] Machine mine. Daily [illegible] Analysis on file.

MARY COAL CO. [illegible] operates mine at Matewan. VEIN [illegible] mine. Daily capacity [illegible] Analysis on file.

MINGO BLOCK COAL CO., THE [illegible] operates mine No. 1 at [illegible] Pick mine. Trade [illegible]

[illegible] Company [illegible] VEIN Thacker. Thickness [illegible] tons. Analysis [illegible]

[illegible] Company [illegible] VEIN Winifrede. [illegible] tons. Trade [illegible]

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Lake Forwarders COAL
Rockefeller Bldg. CLEVELAND, O.

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IS NOT A BOILER COMPOUND BUT
It PAINTS the interior of your Boilers, PREVENTS Scale, and SAVES you money.
RESULTS GUARANTEED
WRITE FOR PARTICULARS

ILLINOIS

BOND COUNTY—County Seat, Greenville.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

ILLINOIS COLLIERIES CO., Springfield, operates Sorento mine No. 6 at Sorento. (Also Toledo, St. Louis & Western R. R.) VEIN No. 6. Thickness 6 ft. Shaft. Pick mine. Daily capacity 1200 tons.

TOLEDO, ST. LOUIS & WESTERN RAILROAD.

ILLINOIS COLLIERIES CO., Springfield, operates Sorento mine No. 6 at Sorento. (See C. B. & Q. R. R.)

VANDALIA RAILROAD.

POCAHONTAS MINING CO., St. Louis, Mo., operates Pocahontas mine at Pocahontas. VEIN*. Thickness 7½ to 8 ft. Machine and Pick mine. Daily capacity 800 tons.

BUREAU COUNTY—County Seat, Princeton.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

ILLINOIS THIRD VEIN COAL CO., Chicago, operates No. 1 mine at Ladd. (Also C. & N. W. Ry., C. I. & S. R. R. and C. M. & St. P. Ry.) VEIN No. 2. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 1300 tons. Trade name "Third Vein."

CHICAGO, INDIANA & SOUTHERN RAILROAD.

ILLINOIS THIRD VEIN COAL CO., Chicago, operates Mine No. 1 at Ladd. (See C. B. & Q. R. R.)

CHICAGO, MILWAUKEE & ST. PAUL RAILWAY.

ILLINOIS THIRD VEIN COAL CO., Chicago, operates Mine No. 1 at Ladd. (See C. B. & Q. R. R.)

ST. PAUL COAL CO., Chicago, operates Cherry mine No. 2 at Cherry. VEINS Nos. 2 and 3. Thickness 6 ft. and 40 in. respectively. Shaft. Pick mine. Daily capacity 2000 tons.

CHICAGO, ROCK ISLAND & PACIFIC RAILWAY.

MARQUETTE THIRD VEIN COAL MINING CO., Davenport, Iowa, operates Mine No. 1 at Marquette. VEIN No. 2. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 1200 tons. Trade name "Marquette."

SPRING VALLEY COAL CO., Chicago, operates Mine No. 1 at Spring Valley. (Also C. & N. W. Ry.) VEIN No. 2. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 1500 tons. Trade name "Third Vein."

*NOT REPORTED

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ILLINOIS—Bureau County—(Continued)

CHICAGO & NORTHWESTERN RAILWAY.

ILLINOIS THIRD VEIN COAL CO., Chicago, operates Mine No. 1 at Ladd. (See C. B. & Q. Ry.)

SPRING VALLEY COAL CO., Chicago, operates Mine No. 1 at Spring Valley. (See C. R. I. & P. Ry.)
Same Company operates mine No. 3 at Spring Valley, No. 4 at Seatonville, and No. 5 at Dalzell. VEIN No. 2. Thickness 3½ ft. Shafts. Pick mines. Daily capacity 2500 tons. Trade name "Third Vein."

CHRISTIAN COUNTY—County Seat, Taylorville.

BALTIMORE & OHIO RAILROAD

CHRISTIAN COUNTY COAL CO., Taylorville, operates CCCC mine at Taylorville. (Also Wabash R. R.) VEIN No. 6. Thickness 8 ft. Pick mine. Daily capacity 2500 tons.

SMITH LOHR COAL MINING CO., Pana, operates Smith Lohr mine at Pana. (Also C. C. C. & St. L. Ry., C. & E. I. R. R. and Ill. Cent. R. R.) VEIN*. Thickness 7½ ft. Shaft. Pick mine. Daily capacity 1000 tons.

BALTIMORE & OHIO SOUTHWESTERN RAILROAD.

PANA COAL CO., Pana, operates mine No. 1 at Pana. (Also C. C. C. & St. L. Ry., C. & E. I. R. R. and Ill. Cent. R R.) VEIN No. 6. Thickness 7½ ft. Shaft. Pick mine. Daily capacity 1300 tons.
Same Company operates Mine No. 2 at Pana. (Also Ill. Cent. R. R.) VEIN No. 6. Thickness 7½ ft. Shaft. Pick mine. Daily capacity 1500 tons.

PENWELL COAL MINING CO., Pana, operates Penwell mine at Pana. (Also C. C. C. & St. L. Ry. and Ill. Cent. R. R.) VEIN No. 5. Thickness 7½ ft. Shaft. Pick mine. Daily capacity 1500 tons. Trade name "Penwell." Analysis on file.

SPRINGFIELD COAL MINING CO., Springfield, operates Taylorville Mine No. 6 at Taylorville. (Also Wabash R. R.) VEIN No. 6. Thickness 8 ft. Shaft. Pick mine. Daily capacity 1600 tons. Analysis on file.

CHICAGO & EASTERN ILLINOIS RAILROAD.

PANA COAL CO., Pana, operates mines Nos. 1 and 2 at Pana. (See B. & O. S.W. R. R.)

SMITH LOHR COAL MINING CO., Pana, operates Smith Lohr mine at Pana. (See B. & O. R. R.)

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY.

PANA COAL CO., Pana, operates mine No. 1 at Pana. (See B. & O. S. W. R. R.)

PENWELL COAL MINING CO., Pana, operates Penwell mine at Pana. (See B. & O. S. W.)

*NOT REPORTED

THE UPSON-WALTON COMPANY *CLEVELAND OHIO*

BRATTICE CLOTH and WIRE ROPE

CORDAGE and TACKLE BLOCKS

JEFFREY ELECTRIC ROTARY DRILL for Coal, Shale, Slate, Clay, etc. Bulletin No. 16 illustrates and describes Drills in operation. Send for it. The Jeffrey Manufacturing Company, Columbus, Ohio.

ILLINOIS—Christian County—C. C. C. & St. L. Ry.—(Continued)

SMITH LOHR COAL MINING CO., Pana, operates Smith Lohr mine at Pana. (See B. & O. R. R.)

ILLINOIS CENTRAL RAILROAD.

ASSUMPTION COAL & MINING CO., THE, Assumption, operates mine No. 1 at Assumption. VEIN No. 1. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 500 tons. Trade name "Silver Creek Splint Block." Analysis on file.

PANA COAL CO., Pana, operates mines Nos. 1 and 2 at Pana. (See B. & O. S. W. R. R.)

PENWELL COAL MINING CO., Pana, operates Penwell mine at Pana. (See B. & O. S. W. R. R.)

SMITH LOHR COAL MINING CO., Pana, operates Smith Lohr mine at Pana. (See B. & O. R. R.)

WABASH RAILROAD.

CHRISTIAN COUNTY COAL CO., Taylorville, operates CCCC mine at Taylorville. (See B. & O. R. R.)

SPRINGFIELD COAL MINING CO., Springfield, operates Taylorville mine No. 6 at Taylorville. (See B. & O. R. R.)

STONINGTON COAL CO., Taylorville, operates Stonington mine at Stonington. VEIN No. 6. Thickness 7½ ft. Shaft. Machine mine. Daily capacity 2000 tons.

FRANKLIN COUNTY—County Seat, Benton.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

FRANKLIN COUNTY COLLIERIES CO., Chicago, operates Hiawatha mine No. 1 at Sesser. VEIN No. 7. Thickness 10 ft. Shaft. Machine mine. Daily capacity 3000 tons. Trade name "Hiawatha." Analysis on file.

SOUTHERN ILLINOIS COAL CO., Chicago, operates Possum Ridge mine near Herrin. VEIN No. 7. Thickness 11 to 12 ft. Shaft. Machine mine. Just developing. Trade name "Possum Ridge." Analysis on file.

ZEIGLER COAL CO., Chicago, operates mine at Zeigler. (Also Ill. Cent. R. R., Mo. Pac. Ry., Wabash R. R. and Southern Ry.) VEIN No. 6½. Thickness 8 to 13 ft. Shaft. Machine mine. Daily capacity 3000 tons. Trade name "Zeigler." Analysis on file.

ZIEGLER DISTRICT COLLIERY CO., Chicago, operates North Mine Christopher at Christopher. VEIN No. 6. Thickness 10 ft. Shaft. Machine mine. Daily capacity 2000 tons. Trade name "Purity." Analysis on file.

CHICAGO & EASTERN ILLINOIS RAILROAD.

BENTON COAL CO., Benton, operates Benton mine at Benton. (Also Mo. Pac. Ry. and Ill. Cent. R. R.) VEIN No. 6. Thickness 10 ft. Shaft. Machine mine. Daily capacity 2000 tons. Trade name "Benton." Analysis on file.

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ILLINOIS—Franklin County—C. & E. I. R. R.—(Continued)

BRAZIL BLOCK COAL CO., Chicago, operates mine No. 11 at West Frankfort. VEIN No. 7. Thickness 10 ft. Shaft. Pick and Machine mine. Daily capacity 1500 tons. Trade name "Litle Jack." (Also in Indiana.)

HART-WILLIAMS COAL CO., Benton, operates mine No. 1 at Benton. (Also I. C. R. R.) VEIN No. 7. Thickness 10 ft. Shaft. Machine mine. Daily capacity 2000 tons. Trade name "Benton." Analysis on file.

WILMINGTON STAR MINING CO., Chicago, operates mine No. 8 at West Frankfort. VEIN No. 7. Thickness 8½ ft. Shaft. Machine mine. Daily capacity 2000 tons.

ILLINOIS CENTRAL RAILROAD.

BENTON COAL CO., Benton, operates Benton mine at Benton. (See C. & E. I. R. R.)

HART-WILLIAMS COAL CO., Benton, operates No. 1 mine at Benton. (See C. & E. I. R. R.)

ZEIGLER COAL CO., Chicago, operates mine at Zeigler. (See C. B. & Q. R. R.)

MISSOURI PACIFIC RAILROAD.

BENTON COAL CO., Benton, operates Benton mine at Benton. (See C. & E. I. R. R.)

ZEIGLER COAL CO., Chicago, operates mine at Zeigler. (See C. B. & Q. R R.)

ST. LOUIS & IRON MOUNTAIN RAILWAY.

BIG MUDDY-CARTERVILLE MINING CO., Mulkeytown, operates mines Nos. 1 and 2 at Royalton. VEIN Carterville. Thickness 9 ft. Shafts. Pick mines. Daily capacity of No. 1 mine 600 tons. Trade name "Royal."

SOUTHERN RAILWAY.

ZEIGLER COAL CO., Chicago, operates mine at Zeigler. (See C. B. & Q. R. R.)

WABASH RAILWAY.

ZEIGLER COAL CO., Chicago, operates mine at Zeigler. (See C. B. & Q. R. R.)

FULTON COUNTY—County Seat, Lewiston.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

ALDEN COAL CO., Davenport, Iowa, operates Alden mine No. 5 at Farmington. (Also Iowa Cent. Ry.) VEIN No. 5. Thickness 4 ft. 2 in. Shaft. Pick mine. Daily capacity 700 tons.

Same Company operates Alden mine No. 6 at Norris. VEIN No. 5. Thickness 4 ft. 2 in. Shaft. Pick mine. Daily capacity 500 tons.

BIG CREEK COAL CO., Chicago, operates mine No. 2 at St. David. VEIN No. 5. Thicknes 5 ft. Drift. Machine mine. Trade name "Big Creek."

Same Company operates mine No. 3 at Cuba. VEIN No. 5 Thickness 5 ft. Shaft. Pick mine. Trade name "Big Creek."

Same Company operates mine No. 4 at Dunfermline. VEIN No. 5. Thickness 5 ft. Shaft. Machine and Pick mine. Trade name "Big Creek."

JEFFREY CAR HAULS, either Wire Cable or Chain are the most durable and efficient method for the continuous haulage of Mine cars. Send for Bulletin No. 21. The Jeffrey Manufacturing Company, Columbus, Ohio.

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Cordage and Tackle Blocks

ILLINOIS—Fulton County—C. B. & Q. R. R.—(Continued)

CANTON COAL CO., Canton, operates mine at Canton. VEIN No. 5. Thickness 5 ft. Slope. Pick mine. Daily capacity 900 tons. Trade name "Canton."

COAL CREEK MINING CO., Galesburg, operates Parrville mine at Parrville. VEIN No. 5. Thickness 4 ft. 10 in. Drift. Pick mine. Daily capacity 200 tons.

MONMOUTH COAL CO., Brereton, operates shaft No. 1 at Brereton. VEINS Nos. 5 and 6. (No. 6 not being worked.) Thickness 4 to 4½ ft. Machine and Pick mine. Daily capacity 1500 tons. Trade name "Famous Brereton."

NORRIS COAL MINING CO., Davenport, Iowa, operates Norris mine at Norris. VEIN No. 5. Thickness 4 ft. 2 in. Shaft. Machine and Pick mine. Daily capacity 1500 tons. Trade name "Genuine Norris."

SPOON RIVER COAL CO., Galesburg, operates mine at Ellisville. VEIN No. 1. Thickness 4½ ft. Shaft. Pick mine. Daily capacity 250 tons. Trade name "Ellisville." Analysis on file.

STAR COAL CO., Galesburg, operates Cuba mines Nos. 1, 2 and 3 at Cuba. VEIN No. 5. Thickness average 5 ft. Slopes. Pick mines. Daily capacity 2000 tons. Analysis on file.
Same Company operates Fiatt mine No. 1 at Fiatt. VEIN No. 5. Thickness 5 ft. 4 in. Shaft. Pick mine. Daily capacity 1200 tons. Analysis on file.

IOWA CENTRAL RAILWAY.

ALDEN COAL CO., Davenport, Ia., operates Alden mine No. 5 at Farmington. (See C. B. & Q. R. R.)

NATIONAL COAL MINING CO., THE, Middle Grove, operates National mine at Middle Grove. VEIN No. 5. Thickness 3 ft. 10 in. Shaft. Machine mine. Daily capacity 400 tons. Analysis on file.

TOLEDO, PEORIA & WESTERN RAILWAY.

EAGLE MINING CO., Peoria, operates Eagle mine at Canton. VEIN No. 5. Thickness 56 in. Shaft. Pick mine. Daily capacity 600 tons. Trade name "Eagle." Analysis on file.

RILEY, J. R., Breeds, operates North Side mine at Breeds. VEIN No. 5. Thickness 4½ ft. Drift. Pick mine. Daily capacity 100 tons.

GRUNDY COUNTY—County Seat, Morris.

ATCHISON, TOPEKA & SANTA FE RAILWAY.

BIG FOUR WILMINGTON COAL CO., Chicago, operates mine No. 6 and Carbon Hill mine No. 5 at Coal City. (Also E. J. & E. Ry. and C. & A. R. R.) VEIN No. 2. Thickness 38 in. Shafts. Pick mines. Daily capacity 2000 tons Trade name "Eileen." Analysis on file.

WILMINGTON STAR MINING CO., Chicago, operates mines Nos. 6 and 7 at Coal City. (Also C. & A. R. R. and E. J. & E. Ry.) VEIN No. 2. Thickness 3 ft. Shafts. Pick mines. Daily capacity 1800 tons.

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ILLINOIS—Grundy County—(Continued)

CHICAGO, MILWAUKEE & ST PAUL RAILWAY.

BRACEVILLE COAL CO., Chicago, operates mine No. 6 at Braceville. (Also E. J. & E. Ry.) VEIN No. 3. Thickness 40 in. Shaft. Pick mine. Daily capacity 1000 tons.

CHICAGO & ALTON RAILROAD.

BIG FOUR WILMINGTON COAL CO., Chicago, operates mine No. 6 and Carbon Hill mine No. 5 at Coal City. (See A. T. & S. F. Ry.)

WILMINGTON STAR MINING CO., Chicago, operates mines Nos. 6 and 7 at Coal City. (See A. T. & S. F. Ry.)

ELGIN, JOLIET & EASTERN RAILWAY.

BIG FOUR WILMINGTON COAL CO., Chicago, operates mine No. 6 and Carbon Hill mine No. 5 at Coal City. (See A. T. & S. F. Ry.)

BRACEVILLE COAL CO., Chicago, operates mine No. 6 at Braceville. (See C. M. & St. P. Ry.)

CHICAGO WILMINGTON & VERMILLION COAL CO., Chicago, operates shafts Nos. 1, 2 and 3 at South Wilmington. VEIN No. 2. Thickness 3 ft. Shafts. Pick mines. Daily capacity 2300 tons. Trade name "Wilmington."

WILMINGTON STAR MINING CO., Chicago, operates mines Nos. 6 and 7 at Coal City. (See A. T. & S. F. Ry.)

HENRY COUNTY—County Seat, Cambridge.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

KEWANEE COAL & MINING CO., Kewanee, operates mine No. 2 at Kewanee. VEIN No. 6. Thickness 4 ft. Shaft. Pick mine. Daily capacity 500 tons.

JACKSON COUNTY—County Seat, Murphysboro.

ILLINOIS CENTRAL RAILROAD.

GARTSIDE COAL CO., St. Louis, Mo., operates Gartside mine No. 3 at Murphysboro. VEIN Big Muddy. Thickness 6 ft. Shaft. Machine mine. Daily capacity 300 tons. Trade name "Big Muddy." Analysis on file.

MUDDY VALLEY MINING & MFG. CO., Cairo, operates Halledayboro mine at Halledayboro. VEIN No. 7. Thickness 10 ft. Shaft. Pick mine. Daily capacity 1200 tons. Trade name "Halleydayboro."

PEACOCK COAL CO., De Soto, operates mine No. 1 at De Soto. VEIN No. 8. Thickness 10 ft. Shaft. Pick mine. Daily capacity 200 tons.

MOBILE & OHIO RAILROAD.

BLAIR BIG MUDDY COAL CO., GUS, Murphysboro, operates Blaire mine No. 1 at Murphysboro. VEIN Big Muddy. Thickness 7 ft. Shaft. Machine mine. Daily capacity 450 tons. Trade name "Big Muddy."

GARTSIDE COAL CO., St. Louis, Mo., operates Gartside mine No. 4 at Murphysboro. VEIN Big Muddy. Thickness 6 ft. Shaft. Machine mine. Daily capacity 400 tons. Trade name "Big Muddy." Analysis on file.

JEFFREY COAL TIPPLES are designed and built for a wide range of service and usefulness. Bulletin No. 22 describes Coal Tipples and Shaking Screens. The Jeffrey Manufacturing *Company, Columbus, Ohio.*

JEFFREY FANS for Mine ventilation, of Centrifugal and Propeller types, are illustrated and described in Bulletin No. 26—send for copy if interested. The Jeffrey Manufacturing Company, Columbus, Ohio.

ILLINOIS—Jackson County—(Continued)

ST. LOUIS, IRON MOUNTAIN & SOUTHERN RAILWAY.

BLAIR BIG MUDDY COAL CO., GUS, Murphysboro, operates Blair Mine No. 2 at Murphysboro. VEIN Big Muddy. Thickness 4 ft. Shaft. Machine mine. Daily capacity 300 tons. Trade name "Big Muddy."

SCHMIDGALL COAL CO., Murphysboro, operates mine No. 1 at Murphysboro. VEIN Big Muddy. Thickness 3½ ft. Shaft. Machine mine. Daily capacity 300 tons. Analysis on file.

KANKAKEE COUNTY—County Seat, Kankakee.

CHICAGO, INDIANA & SOUTHERN RAILROAD.

CLARKE CITY WILMINGTON COAL CO., Chicago, operates mine "B" at Clarke City. (Also Ill. Cent. R. R.) VEINS No. 7 and No. 2. Thickness of No. 7, 5 ft. Shaft. Pick mine. Daily capacity 300 tons. Trade name "Wilmington Northern Illinois." Analysis on file.

ILLINOIS CENTRAL RAILROAD.

CLARKE CITY WILMINGTON COAL CO., Chicago, operates mine "B" at Clarke City. (See C. I. & S. R. R.)

LA SALLE COUNTY—County Seat, Ottawa.

ATCHISON, TOPEKA & SANTA FE RAILWAY.

ACME COAL CO., THE, Streator, operates Acme mine at Streator. (Also C. & A. R. R., C. B. & Q. Ry., Wabash R. R. and C. I. & S. R. R.) VEIN No. 7. Thickness 6½ ft. Shaft. Pick mine. Daily capacity 600 tons.

CHICAGO, WILMINGTON & VERMILLION COAL CO., Chicago, operates Streator Shaft No. 2 at Streator. (Also C. & A. R. R., C. B. & Q. Ry., Wabash R. R. and C. I. & S. R. R.) VEIN No. 2. Shaft. Pick mine. Daily Capacity 1000 tons. Trade name "Vermillion Third Vein." Analysis on file.

Same Company operates Streator Shaft No. 3 at Streator. (Also C. & A. R. R., C. B. & Q. Ry., C. I. & S. R. R. and Wabash R. R.) VEIN No. 7 Thickness 5½ ft. Shaft. Pick mine. Daily capacity 700 tons. Trade name "Vermillion Top Vein."

CHICAGO, BURLINGTON & QUINCY RAILROAD.

ACME COAL CO., THE, Streator, operates Acme mine at Streator. (See A. T. & S. F. Ry.)

CHICAGO, WILMINGTON & VERMILLION COAL CO., Chicago, operates Streator shafts Nos. 2 and 3 at Streator. (See A. T. & S. F. Ry.)

LA SALLE COUNTY CARBON COAL CO., La Salle, operates mine No. 1 at Jonesville. (Also Ill. Cent. R. R.) VEIN No. 3. Thickness 3 ft. 4 in. Shaft. Pick mine. Daily capacity 1000 tons.

CHICAGO, INDIANA & SOUTHERN RAILROAD.

ACME COAL CO., THE, Streator, operates Acme mine at Streator. (See A. T. & S. F. Ry.)

CHICAGO, WILMINGTON & VERMILLION COAL CO., Chicago, operates Streator Shafts Nos. 2 and 3 at Streator. (See A. T. & S. F. Ry.

GOODRICH CONVEYOR BELTS

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ILLINOIS—La Salle County—(Continued)

CHICAGO, MILWAUKEE & ST. PAUL RAILWAY.

LA SALLE COUNTY CARBON COAL CO., La Salle, operates mine No. 5 at Cedar Point. VEIN No. 3. Thickness 3 ft. 4 in. Shaft. Pick mine. Daily capacity 1000 tons.

OGLESBY COAL CO., Oglesby, operates Oglesby mine at Oglesby. (Also Ill. Cent. R. R.) VEIN No. 3. Thickness 3 ft. 8 in. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "Oglesby Third Vein." Analysis on file.

CHICAGO, ROCK ISLAND & PACIFIC RAILWAY.

CAHILL COAL CO., Peru, operates Cahill mine at Peru. VEIN No. 3. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 200 to 250 tons.

LA SALLE COUNTY CARBON COAL CO., La Salle, operates Union mine at Peru and Rockwell mine at La Salle. VEIN No. 3. Thickness 3 ft. 4 in. Shafts. Pick mines. Daily capacity 1200 tons.
Same Company operates La Salle mine at La Salle. (Also Ill. Cent. R. R.) VEIN No. 3. Thickness 3 ft. 4 in. Shaft. Pick mine. Daily capacity 600 tons.

CHICAGO & ALTON RAILROAD.

ACME COAL CO., THE, Streator, operates Acme mine at Streator. (See A. T. & S. F. Ry.)

CHICAGO, WILMINGTON & VERMILLION COAL CO., Chicago, operates Streator shafts Nos. 2 and 3 at Streator. (See A. T. & S. F. R. R.)

ILLINOIS CENTRAL RAILROAD.

LA SALLE COUNTY CARBON COAL CO., La Salle, operates mine No. 1 at Jonesville. (See C. B. & Q. Ry.)
Same Company operates La Salle mine at La Salle. (See C. R. I. & P. Ry.)

OGLESBY COAL CO., Oglesby, operates Oglesby mine at Oglesby. (See C. M. & St. P. Ry.)

WABASH RAILROAD.

ACME COAL CO., THE, Streator, operates Acme mine at Streator. (See A. T. & S. F. Ry.)

CHICAGO, WILMINGTON & VERMILLION COAL CO., Chicago, operates Streator shafts Nos. 2 and 3 at Streator. (See A. T. & S. F. R. R.)

LIVINGSTON COUNTY—County Seat, Pontiac.

CHICAGO, INDIANA & SOUTHERN RAILROAD.

CARDIFF COAL CO., Chicago, operates mine at Cardiff. (Also Wabash R. R.) VEINS Wilmington and Big Vein. Thickness 42 in. and 11 ft. respectively. Shaft. Pick mine.

AUSTIN POWDER COMPANY, Cleveland, Ohio
Manufacturers of The Highest Standard of
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ILLINOIS—Livingston County—(Continued)

TOLEDO, PEORIA & WESTERN RAILWAY.

FAIRBURY COAL CO., Fairbury, operates mine No. 1 at Fairbury. VEIN No. 5. Thickness 4½ to 5 ft. Shaft. Pick mine. Daily capacity 125 tons.

WABASH RAILROAD.

CARDIFF COAL CO., Chicago, operates mine at Cardiff. (See C. I. & S. R. R.)

LOGAN COUNTY—County Seat, Lincoln.

CHICAGO & ALTON RAILROAD.

LATHAM COAL CO., Lincoln, operates Latham mine at Lincoln. (Also Ill. Cent. R. R.) VEIN No. 5. Thickness 2 to 5 ft. Shaft. Pick mine. Daily capacity 1800 tons. Trade name "Latham." Analysis on file.

LINCOLN MINING CO., Lincoln, operates mine No. 1 at Lincoln. (Also Ill. Cent. R. R.) VEIN No. 5. Thickness 5 ft. 4 in. Shaft. Daily capacity 800 tons.

ILLINOIS CENTRAL RAILROAD.

CITIZENS COAL MINING CO., Lincoln, operates East mine at Lincoln. VEIN No. 5. Thickness 5 ft. 2 in. Shaft. Pick mine. Daily capacity 800 tons.

LATHAM COAL CO., Lincoln, operates Latham mine at Lincoln. (See C. & A. R. R.)

LINCOLN MINING CO., Lincoln, operates mine No. 1 at Lincoln. (See C. & A. R. R.)

MT. PULASKI COLLIERY CO., THE, Mt. Pulaski, operates Mt. Pulaski mine at Mt. Pulaski. VEIN No. 5. Thickness 4½ ft. Shaft. Pick mine. Daily capacity 250 tons. Analysis on file.

MACON COUNTY—County Seat, Decatur.

CINCINNATI, HAMILTON & DAYTON RAILWAY.

DECATUR COAL CO., THE, Decatur, operates mines Nos. 1 and 2 at Decatur. (Also Ill. Cent. R. R., Vandalia R. R. and Wabash R. R.) VEIN No. 4. Thickness 4½ ft. Shafts. Pick mines. Daily capacity 850 tons. Analyses on file.

ILLINOIS CENTRAL RAILROAD.

DECATUR COAL CO., THE, Decatur, operates mines Nos. 1 and 2 at Decatur. (See C. H. & D. Ry.)

MANUFACTURERS' & CONSUMERS' COAL CO., Decatur, operates mine at Decatur. (Also Vandalia R. R. and Wabash R. R.) VEIN No. 5. Thickness 4½ ft. Shaft. Pick mine. Daily capacity 800 tons. Trade name "Riverside Sootless." Analysis on file.

VANDALIA RAILROAD.

DECATUR COAL CO., THE, Decatur, operates mines Nos. 1 and 2 at Decatur. (See C. H. & D. Ry.)

JEFFREY REVOLVING SCREENS combine the highest screening efficiency, strength and durability. Fully described in Catalog No. 69B. The Jeffrey Manufacturing Company, Columbus, Ohio.

JEFFREY TIPPLE SCREENS embody the most successful and advanced ideas obtained in modern Tipple practice. Send for our new Screen Catalog No. 69. The Jeffrey Manufacturing Company, Columbus, Ohio.

ILLINOIS—Macon County—Vandalia R. R.—(Continued)

MANUFACTURERS' & CONSUMERS' COAL CO., Decatur, operates mine at Decatur. (See I. C. R. R.)

WABASH RAILROAD.

BLUE MOUND COAL CO., Blue Mound, operates mine at Blue Mound. VEIN No. 6. Thickness 5 ft. Shaft. Machine and Pick mine. Daily capacity 1000 tons.

DECATUR COAL CO., THE, Decatur, operates Niantic mine at Niantic. VEIN No. 4. Thickness 5 ft. Shaft. Pick mine. Daily capacity 400 tons. Trade name "Niantic." Analysis on file.
Same Company operates mines Nos. 1 and 2 at Decatur. (See C. H. & D. Ry.)

MANUFACTURERS' & CONSUMERS' COAL CO., Decatur, operates mine at Decatur. (See I. C. R. R.)

MACOUPIN COUNTY—County Seat, Carlinville.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

ILLINOIS COLLIERIES CO., Springfield, operates Virden mines Nos. 1 and 4 at Virden. (Also C. & A. R. R.) VEIN No. 6. Thickness 7½ ft. Shafts. Machine and Pick mines. Daily capacity 2900 tons.
Same Company operates Girard mine No. 5 at Girard. (Also C. & A. R. R.) VEIN No. 6. Thickness 6½ ft. Shaft. Pick mine. Daily capacity 1500 tons.

ROYAL COLLIERY CO., Philadelphia, Pa., operates Royal mine at Virden. (Also C. & A. R. R.) VEIN Springfield. Thickness*. Shaft. Pick mine. Daily capacity 2200 tons. Trade name "Royal."

CHICAGO & ALTON RAILROAD.

CARLINVILLE COAL CO., THE, Carlinville, operates mine at Carlinville. VEIN No. 6. Thickness 6 to 7 ft. Shaft. Pick mine. Daily capacity 1000 tons. Analysis on file.

ILLINOIS COLLIERIES CO., Springfield, operates Virden mines Nos. 1 and 4 at Virden. (See C. B. & Q. R. R.)
Same Company operates Girard mine No. 5 at Girard. (See C. B. & Q. R. R.)

NILWOOD COAL CO., Nilwood, operates Nilwood mine at Nilwood. VEIN No. 5. Thickness 7 ft. Shaft. Pick mine. Daily capacity 1000 tons.

ROYAL COLLIERY CO., Philadelphia, Pa., operates Royal mine at Virden. (See C. B. & Q. R. R.)

VIVIAN COLLIERIES CO., Chicago, operates Green Ridge mine at Green Ridge. VEIN*. Thickness*. Shaft. Machine and Pick mine. Daily capacity 1600 tons.

*NOT REPORTED

AUSTIN POWDER COMPANY

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THE B. F. GOODRICH CO. AKRON, OHIO

ILLINOIS—Macoupin County—(Continued)

MACOUPIN COUNTY RAILWAY.

SUPERIOR COAL CO., Gillespie, operates mines Nos. 1 and 3 at Gillespie, and No. 2 at Beuld. VEIN*. Thickness 8 ft. Shafts. Machine mines. Daily capacity 10000 tons.

MADISON COUNTY—County Seat, Edwardsville.

CHICAGO & EASTERN ILLINOIS RAILROAD.

NEW STAUNTON COAL CO., THE, St. Louis, Mo., operates mine No. 1 at Livingston. (Also C. C. C. & St. L. Ry.) VEIN No. 5. Thickness average 6½ ft. Shaft. Machine mine. Daily capacity 3100 tons. Trade name "Livingston." Analysis on file.

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY.

NEW STAUNTON COAL CO., THE, St. Louis, Mo., operates mine No. 1 at Livingston. (See C. & E. I. R. R.)

ILLINOIS TERMINAL RAILROAD.

EDWARDSVILLE COAL CO., THE, St. Louis, Mo., operates mine No. 3 at Edwardsville. (Also L. & M. Ry., T. St. L. & W. Ry. and Wabash R. R.) VEIN No. 6. Thickness 5 ft. 5 in. Shaft. Machine mine Daily capacity 500 tons. Trade name "Silver Creek."

LITCHFIELD & MADISON RAILWAY.

EDWARDSVILLE COAL CO., THE, St. Louis, Mo., operates mine No. 3 at Edwardsville. (See Illinois Terminal R. R.)

MOUNT OLIVE & STAUNTON COAL CO., St. Louis, Mo., operates Staunton mine No. 1 at Staunton. VEIN No. 6. Thickness 6 to 7 ft. Shaft. Machine mine. Daily capacity 1600 tons. Trade name "Staunton."

Same Company operates Staunton Illinois mine No. 2 at Staunton. VEIN No. 6. Thickness 7 to 7½ ft. Shaft. Machine mine. Daily capacity 3000 tons. Trade name "Staunton."

ST. LOUIS, TROY & EASTERN RAILROAD.

DONK BROS. COAL & COKE CO., St. Louis, Mo., operates mines Nos. 1, 2 and 3 at Donkville, Maryville and Troy, respectively. VEIN*. Thickness*. Shafts. Machine and Pick mines. Daily capacity 5000 tons.

TOLEDO, ST. LOUIS & WESTERN RAILROAD.

EDWARDSVILLE COAL CO., THE, St. Louis, Mo., operates mine No. 3 at Edwardsville. (See Ill. Terminal R. R.)

VANDALIA RAILROAD.

LUMAGHI COAL CO., St. Louis, Mo., operates Lumaghi mine No. 2 at Cantine. VEIN No. 6. Thickness 6 ft. Shaft. Machine mine. Daily capacity 2500 tons. Trade name "Cantine."

Same Company operates Lumaghi mine No. 3 at Collinsville. VEIN No. 6. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1000 tons.

*NOT REPORTED

JEFFREY COKE LARRIES are simple in design, electrically equipped—made to discharge on one or both sides. Send for complete information. The Jeffrey Manufacturing Company, *Columbus, Ohio.*

THE WENONA COAL COMPANY
MINERS AND SHIPPERS OF
THIRD VEIN COAL
SCREENED BY SHAKER SCREEN
B. T. U. 13,630
WENONA, ILLINOIS

ILLINOIS—Madison County—(Continued)

WABASH RAILROAD.

DE CAMP COAL MINING CO., St. Louis, Mo., operates mine at Staunton. VEIN No. 6. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1000 tons.

EDWARDSVILLE COAL CO., THE, St. Louis, Mo., operates mine No. 3 at Edwardsville. (See Ill. Terminal R. R.)

MARION COUNTY—County Seat, Salem.

BALTIMORE & OHIO SOUTHWESTERN RAILROAD.

ODIN COAL CO., THE, Odin, operates mine at Odin. (Also Ill. Cent. R. R.) VEIN No. 6. Thickness 7 ft. Shaft. Machine mine. Daily capacity 1000 tons.

ILLINOIS CENTRAL RAILROAD.

ODIN COAL CO., THE, Odin, operates mine at Odin. (See B. & O. S. W. R. R.)

MARSHALL COUNTY—County Seat, Lacon.

ATCHISON, TOPEKA & SANTA FE RAILWAY.

TOLUCA COAL CO., THE, Toluca, operates mines Nos. 1 and 2 at Toluca. (Also T. M. & N. R. R.) VEIN No. 3. Thickness 3 ft. Shaft. Pick mine. Daily capacity 1550 tons. Trade name "Toluca."

CHICAGO, ROCK ISLAND & PACIFIC RAILWAY.

BARR COAL, LUMBER & POWER CO., Sparland, operates mine No. 1 at Sparland. VEIN No. 6. Thickness 4 ft. Drift. Pick mine. Daily capacity 100 tons.

FULTON COUNTY COAL MINING CO., Davenport, Iowa, operates Sparland Shaft at Sparland. VEIN No. 2. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 100 tons. Trade name "Sparland."

LACON COAL CO., Sparland, operates mine at Sparland. VEIN No. 6. Thickness 3½ ft. Drift. Pick mine. Daily capacity 100 tons.

CHICAGO & ALTON RAILROAD.

WENONA COAL CO., Wenona, operates Wenona mine No. 1 at Wenona, (Also Ill. Cent. R. R.) VEIN No. 3. Thickness 3 ft. 4 in. Shaft. Pick mine. Daily capacity 600 tons. Analysis on file.

ILLINOIS CENTRAL RAILROAD

WENONA COAL CO., Wenona, operates Wenona mine No. 1 at Wenona. (See C. & A. R. R.)

TOLUCA, MARQUETTE & NORTHERN RAILROAD.

TOLUCA COAL CO., THE, Toluca, operates mines Nos. 1 and 2 at Toluca. (See A. T. & S. F. Ry.)

MENARD COUNTY—County Seat, Petersburg.

CHICAGO, PEORIA & ST. LOUIS RAILWAY.

ATHENS MINING CO., Athens, operates Athens mine at Athens. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 800 tons. Trade name "Athens." Analysis on file.

JEFFREY STEEL DUMP CARS are built with capacities to suit numerous requirements, with or without electrical equipment. Full information and prices furnished on request. *The Jeffrey Manufacturing* Company, Columbus, Ohio.

THE UPSON-WALTON CO.

CLEVELAND, OHIO

CORDAGE AND TACKLE BLOCKS
BRATTICE CLOTH AND WIRE ROPE

ILLINOIS—Menard County—C. P. & St. L. Ry.—(Continued)

SOUTH MOUNTAIN COAL CO., THE, Petersburg, operates South Mountain mine at Petersburg. (Also C. & A. R. R.) VEIN No. 5. Thickness 6 ft. Slope. Pick mine. Daily capacity 500 tons. Trade name "Kirby Block."

WABASH COAL CO., Quincy, operates Athens mine No. 2 at Athens. VEIN No. 5. Thickness 6½ ft. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "Athens."

CHICAGO & ALTON RAILROAD.

MIDDLETOWN COAL CO., Middletown, operates mine No. 1 at Middletown. VEIN*. Thickness 6 ft. Shaft. Pick mine. Daily capacity 700 tons. Trade name "Onyx." Analysis on file.

SOUTH MOUNTAIN COAL CO., THE, Petersburg, operates South Mountain mine at Petersburg. (See C. P. & St. L. Ry.)

MERCER COUNTY—County Seat, Aledo.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

ALDEN COAL CO., Davenport, Iowa, operates Alden mine No. 3 at Gilchrist. VEIN No. 1. Thickness 4 ft. Shaft. Pick mine. Daily capacity 500 tons.

CHICAGO, ROCK ISLAND & PACIFIC RAILWAY.

ALDEN COAL CO., Davenport, Iowa, operates Alden mine No. 7 at Dogtown. VEIN No. 1. Thickness 6½ ft. Shaft. Pick mine. Daily capacity 300 tons.

COAL VALLEY MINING CO., Chicago, operates mine No. 2 at Sherrard. VEIN Sherrard. Thickness 4 to 4½ ft. Shaft. Pick mine. Daily capacity 900 tons. Trade name "Sherrard."

Same Company operates mine No. 3 at Matherville. VEIN Preemption. Thickness 4 to 4½ ft. Shaft. Pick mine. Mine just developing. Trade name "Preemption District Coal."

MONTGOMERY COUNTY—County Seat, Hillsboro.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

ILLINOIS COLLIERIES CO., Springfield, operates Litchfield mine at Litchfield. (Also C. C. C. & St. L., I. C. R. R., L. & N. R. R. and Wabash R R.) VEIN No. 2. Thickness 5 ft. Shaft. Pick mine. Daily capacity 1000 tons.

CHICAGO & EASTERN ILLINOIS RAILROAD.

BURNWELL COAL CO., Chicago, operates mines Nos. 22 and 24 at Witt. (Also C. C. C. & St. L. Ry.) VEIN*. Thickness 8 to 9 ft. Shafts. Pick mines. Daily capacity 5000 tons. Analysis on file.

HILLSBORO COAL CO., Hillsboro, operates Hillsboro mine at Hillsboro. (Also C. C. C. & St. L. Ry.) VEIN No. 6. Thickness 8 ft. Shaft. Machine mine. Daily capacity 1500 tons.

KORT KAMP COAL CO., Hillsboro, operates Kort Kamp mine at Hillsboro. (Also C. C. C. & St. L. Ry.) VEIN No. 6. Thickness 8½ ft. Shaft. Machine mine. Daily capacity 2000 tons. Trade name "Kort Kamp."

*NOT REPORTED

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JEFFREY MINE LOCOMOTIVES for gathering and main haulage work. We will send our Book No. 12 "Care of Electric Mine Locomotives in Service" also Locomotive Catalog No. 17. The Jeffrey Manufacturing Company, Columbus, Ohio.

ILLINOIS—Montgomery County—C. & E. I. R. R.—(Continued)

MONTGOMERY COUNTY COAL CO., Chicago, operates Taylor Springs mine at Hillsboro. (Also C. C. C. & St. L. Ry.) VEIN No 5. Thickness 7 to 8 ft. Shaft. Machine mine. Daily capacity 2500 tons. Trade name "Taylor Springs."

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY.

BURNWELL COAL CO., Chicago, operates mines Nos. 22 and 24 at Witt. (See C. & E. I. R. R.)

HILLSBORO COAL CO., Hillsboro, operates Hillsboro mine at Hillsboro. (See C. & E. I. R. R.)

ILLINOIS COLLIERIES CO., Springfield, operates Litchfield mine at Litchfield. (See C. B. & Q. R. R.)

KORT KAMP COAL CO., Hillsboro, operates Kort Kamp mine at Hillsboro. See C. & E. I. R. R.)

MONTGOMERY COUNTY COAL CO., Chicago, operates Taylor Springs mine at Hillsboro. (See C. & E. I. R. R.)

ILLINOIS CENTRAL RAILROAD.

ILLINOIS COLLIERIES CO., Springfield, operates Litchfield mine at Litchfield. (See C. B. & Q. R. R.)

LOUISVILLE & NASHVILLE RAILROAD.

ILLINOIS COLLIERIES CO., Springfield, operates Litchfield mine at Litchfield. (See C. B. & Q. R. R.)

TOLEDO, ST. LOUIS & WESTERN RAILROAD.

SHOAL CREEK COAL CO., Chicago, operates Panama mine No. 1 at Panama. VEIN No. 6. Thickness 8 ft. Shaft. Machine mine. Daily capacity 2500 tons.

WABASH RAILROAD.

ILLINOIS COLLIERIES CO., Springfield, operates Litchfield mine at Litchfield. (See C. B. & Q. R. R.)

McDONOUGH COUNTY—County Seat, Macomb.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

BURNEY COAL CO., THE, Colchester, operates Dickey mine No. 2 at Colchester. VEIN No. 2. Thickness 2½ ft. Shaft. Pick mine. Daily capacity 80 tons.

McLEAN COUNTY—County Seat, Bloomington.

CHICAGO & ALTON RAILROAD.

McLEAN COUNTY COAL CO., Bloomington, operates mine at Bloomington. (Also C. C. C. & St. L. Ry.) VEIN*. Thickness 3 ft. 8 in. to 4 ft. Shaft. Pick mine. Daily capacity 650 tons. Analysis on file.

*NOT REPORTED

THE UPSON-WALTON CO.

CLEVELAND, OHIO

CORDAGE AND TACKLE BLOCKS
BRATTICE CLOTH AND WIRE ROPE

The Standard for Mining
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Reputation Unsurpassed
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ILLINOIS—McLean County—(Continued)

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY.

McLEAN COUNTY COAL CO., Bloomington, operates mine at Bloomington. (See C. & A. R. R.)

ILLINOIS CENTRAL RAILROAD.

COLFAX CO-OPERATIVE CO., Colfax, operates Colfax mine No. 1 at Colfax. VEIN No. 6. Thickness 5 ft. Shaft. Pick mine. Daily capacity 150 tons.

LAKE ERIE & WESTERN RAILROAD.

McLEAN COUNTY COAL CO., Bloomington, operates mine at Bloomington. (See C. C. C. & St. L. Ry.)

PEORIA COUNTY—County Seat, Peoria.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

WARSAW COAL CO., Peoria, operates Warsaw mine at Edwards. VEIN No. 5. Thickness 3 ft. 9 in. Drift. Pick mine. Daily capacity 300 tons. Trade name "Warsaw." Analysis on file.

IOWA CENTRAL RAILWAY.

APPLEGATE & LEWIS COAL CO., Peoria, operates Hanna mine at Hanna. VEIN No. 5. Thickness 4 ft. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "Hanna Chunks."

CLARK COAL & COKE CO., Peoria, operates Empire mines Nos. 1 and 2 at Bartlett. VEIN No. 5. Thickness 4 ft to 4 ft. 4 in. Shafts. Pick and Machine mines. Daily capacity 2000 tons. Trade name "Empire." Analysis on file.

PEORIA RAILROAD TERMINAL COMPANY.

WOLSCHLAG CO-OPERATIVE COAL CO., Peoria, operates Wolschlag mine at South Bartonville. (Also P. & P. U. Ry.) VEIN No. 5. Thickness 4 ft. 4 in. Slope. Machine and Pick mine. Daily capacity 500 tons. Trade name "Wolschlag."

PEORIA & PEKIN UNION RAILWAY.

COLLIER CO-OPERATIVE COAL CO., Peoria, operates mine at Bartonville. VEIN No. 4. Thickness 4 ft. 8 in. Shaft. Pick mine. Daily capacity 200 tons.

SHOLL BROS. Inc., Peoria, operates mine No. 3 at South Bartonville. VEIN No. 5. Thickness 4½ to 5 ft. Shaft. Machine mine. Daily capacity 500 tons.

WOLSCHAG CO-OPERATIVE COAL CO., Peoria, operates Wolschlag mine at South Bartonville. (See P. R. T. Co.)

One Goodrich Conveyor Belt Deserves Another
Renewal Orders Come Easily.
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THE UPSON-WALTON COMPANY CLEVELAND OHIO

BRATTICE CLOTH and WIRE ROPE

CORDAGE and TACKLE BLOCKS

ILLINOIS—Peoria County—(Continued)

TOLEDO, PEORIA & WESTERN RAILWAY.

MAPLETON COAL CO. Inc., Mapleton, operates Foleys mine at Mapleton. VEIN No. 5. Thickness 4 ft. 8 in. Slope. Pick mine. Daily capacity 225 tons. Trade name "Mapleton."

PERRY COUNTY—County Seat, Pinckneyville.

ILLINOIS CENTRAL RAILROAD.

BAILEY BROS. COAL CO., Sunfield, operates Sun mine at Sunfield. VEIN*. Thickness 5 ft. Shaft. Pick mine. Daily capacity 250 tons.

BRILLIANT COAL & COKE CO., DuQuoin, operates Horn mine at Du Quoin. VEIN Old Star. Thickness 7½ ft. Shaft. Pick mine. Daily capacity 800 tons. Trade name "Brilliant."

DU QUOIN OPERATING CO., THE, Du Quoin, operates Queen mine at Clinch. VEIN No. 6. Thickness 8 ft. Shaft. Pick mine. Daily capacity 1300 tons. Trade name "Majestic."

EQUITABLE COAL & COKE CO., Du Quoin, operates Majestic mine at Clinch. VEIN No. 7. Thickness 9 ft. Shaft. Pick mine. Daily capacity 2000 tons. Analysis on file.

MAJESTIC COAL & COKE CO., Du Quoin, operates Majestic mine at Clinch. VEINS Nos. 6 and 7. Thickness 9 ft. Shaft. Pick mine. Daily capacity 2000 tons. Trade name "Majestic." Analysis on file.

PARADISE COAL & COKE CO., Du Quoin, operates Paradise mine at Du Quoin. VEIN No. 6. Thickness 10 ft. Shaft. Machine and Pick mine. Daily capacity 1800 tons. Trade name "Paradise." Analysis on file.

TAMAROA & LITTLE MUDDY COAL CO., THE, Tamaroa, operates mine at Tamaroa. VEIN No. 6. Thickness average 5 ft. 8 in. Shaft. Pick mine. Daily capacity 450 tons. Analysis on file.

MOBILE & OHIO RAILROAD.

WILLIS COAL & MINING CO., St. Louis, Mo., operates Willis mine No. 1 at Willisville. VEIN No. 6. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1200 tons.

WABASH, CHESTER & WESTERN RAILROAD.

JOHNSON-ALLEN COAL CO., Mt. Vernon, operates Barnard mine at Cutles. VEIN No. 6. Thickness 6 ft. Shaft. Pick mine. Daily capacity 400 tons. Analysis on file.

STRAIT COAL CO., THE, Pinckneyville, operates Strait mine at Pinckneyville. VEIN No. 5. Thickness 6 ft. 10 in. Shaft. Pick mine. Daily capacity 200 tons.

PUTNAM COUNTY—County Seat, Hennepin.

CHICAGO, MILWAUKEE & ST. PAUL RAILWAY.

ST. PAUL COAL CO., Chicago, operates Granville mine No. 1 at Granville. VEIN No. 3. Thickness average 40 in. Shaft. Pick mine. Daily capacity 1500 tons.

*NOT REPORTED

JEFFREY ELECTRIC MINE HOISTS are made with single or double drum, suitable for every hoisting requirement. Send for illustrated literature and prices. The Jeffrey Manufacturing Company, Columbus, Ohio.

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ILLINOIS—(Continued)

RANDOLPH COUNTY—County Seat, Chester.

ILLINOIS CENTRAL RAILROAD.

JONES BROS. COAL MINING CO., Marissa, operates Eureka mine No. 2 at Tilden. VEIN No. 6. Thickness 7 ft. Shaft. Pick mine. Daily capacity 500 tons.

WEST MINE COAL CO., Coulterville, operates Consolidated mine at Coulterville. VEIN Bituminous. Thickness 6 ft. Shaft. Pick mine. Daily capacity 250 tons. Trade name "Consolidated."

ILLINOIS SOUTHERN RAILWAY.

ILLINOIS FUEL CO., Sparta, operates mine No. 4 at Shaws. VEIN No. 6. Thickness 6 ft. Shaft. Machine mine. Daily capacity 800 tons. Analysis on file.

MOBILE & OHIO RAILROAD.

BOYD COAL & COKE CO., Sparta, operates Boyd mine No. 1 at Sparta. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 500 to 700 tons. Analysis on file.

WILLIS COAL & MINING CO., St. Louis, Mo., operates mine No. 6 at Percy. VEIN No. 6. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1500 tons.

Same Company operates mine No. 7 at Sparta. VEIN No. 6. Thickness 5 ft. 8 in. Shaft. Pick mine. Daily capacity 600 tons.

WILSON BROS. COAL CO., Sparta, operates Eden mine at Sparta. VEIN No. 6. Thickness 6 ft. Shaft. Pick mine. Daily capacity 500 tons. Analysis on file.

ST. CLAIR COUNTY—County Seat, Belleville.

BALTIMORE & OHIO SOUTHWESTERN RAILROAD.

CLULEY-MILLER COAL CO., St. Louis, Mo., operates Ruby mine at Furmans Sta. VEIN No. 6. Thickness 7 ft. Shaft. Pick mine. Daily capacity 500 tons. Analysis on file.

INTERNATIONAL COAL & MINING CO., St. Louis, Mo., operates Carbon mine at Carbon. VEIN*. Thickness 7½ ft. Shaft. Pick mine. Daily capacity 800 tons. Trade name "Carbon."

Same Company operates Bennett mine at Lebanon. VEIN*. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 500 tons. Trade name "St. Agnes."

TAYLOR COAL CO., JOSEPH, O'Fallon, operates Ridge Prairie and Taylor mines at O'Fallon. VEINS*. Thickness 8 ft. Shafts. Pick mines. Daily capacity 1600 tons. Trade names "Taylor" and "Prairie Ridge."

EAST ST. LOUIS & SUBURBAN RAILROAD.

PRAIRIE COAL CO., St. Louis, Mo., operates Prairie mine at Prairie Cross Roads. VEIN*. Thickness 7 ft. Shaft. Pick mine. Daily capacity 1800 tons. Trade name "Prairie."

TAYLOR COAL CO., JOSEPH, O'Fallon, operates St. Ellen mine at O'Fallon. VEIN*. Thickness 8 ft. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "St. Ellen."

*NOT REPORTED

AUSTIN POWDER COMPANY, Cleveland, Ohio
Manufacturers of The Highest Standard of
Mining and Blasting Powders

GOODRICH CONVEYOR BELTS
Will Handle Your Coal Economically.
THE B. F. GOODRICH COMPANY, Akron, O. Write for Special Literature

ILLINOIS—St. Clair County—(Continued)

ILLINOIS CENTRAL RAILROAD.

BORDERS COAL CO., Marissa, operates Borders mines Nos. 1 and 2 at Marissa. VEIN*. Thickness 5 to 7 ft. Shafts. Pick mines. Daily capacity 1200 tons.

JONES BROS. COAL & MINING CO., Marissa, operates Eureka mine No. 1 at Marissa. VEIN No. 6. Thickness 7 ft. Shaft. Pick mine. Daily capacity 500 tons.

LOUISVILLE & NASHVILLE RAILROAD.

BEATTY COAL CO., Mascoutah, operates Beatty mine at Mascoutah. VEIN* Thickness 6 to 7½ ft. Shaft. Machine mine. Daily capacity 500 tons.

CENTRAL INDIANA COAL MINING CO., St. Louis, Mo., operates Enterprise mine at Rentchler. VEIN*. Thickness 6 ft. Shaft. Pick mine. Daily capacity 300 tons. Trade name "Enterprise." (Also in Indiana.)

FULLERTON COAL CO., Belleville, operates Fullerton mine at Belleville. VEIN No. 6. Thickness 7 ft. Shaft. Pick mine. Daily capacity 700 tons. Analysis on file.

ROYAL COAL & MINING CO., Belleville, operates Royal mine at Belleville. VEIN*. Thickness 6½ ft. to 7 ft. Shaft. Machine mine. Daily capacity 1200 tons.

SUMMIT COAL & MINING CO., Belleville, operates Summit mine at Belleville. VEIN Bituminous. Thickness 7 ft. Shaft. Pick mine. Daily capacity 300 tons.

WHITE & SONS, J., Belleville, operates Branch mine No. 2 at Belleville. VEIN No. 6. Thickness 6 ft. Shaft. Pick mine. Daily capacity 150 tons.

ST. LOUIS & BELLEVILLE ELECTRIC RAILROAD.

SUBURBAN COAL & MINING CO., Belleville, operates Suburban mine at Signal Hill. VEIN*. Thickness 7 ft. Shaft. Pick mine. Daily capacity 600 tons.

SUPERIOR COAL & MINING CO., Belleville, operates Superior mine at Ogles Station. VEIN No. 1. Thickness 7½ ft. Shaft. Machine mine. Daily capacity 1000 tons.

ST. LOUIS & O'FALLON RAILROAD.

ST. LOUIS & O'FALLON COAL CO., East St. Louis, operates mines Nos. 1 and 2 at East St. Louis. VEIN*. Thickness 7 ft. Shafts. Pick mines. Daily capacity 6300 tons.

SOUTHERN RAILWAY.

PITTSBURG MINING CO., Belleville, operates Pittsburg mine at Belleville. VEIN No. 1. Thickness 7 ft. Shaft. Pick mine. Daily capacity 350 tons.

SALINE COUNTY—County Seat, Harrisburg.

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY.

HARRISBURG BIG MUDDY COAL CO., Chicago, operates mine No. 12 at Harrisburg. VEIN No. 5. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 1200 tons.

Same Company operates mine No. 14 at Ledford. VEIN No. 5. Thickness 7 ft. Shaft. Machine mine. Daily capacity 1800 tons.

HARRISBURG SOUTHERN COAL CO., Chicago, operates mine at Grayson. (Also I. & N. and I. C. R. R.) VEIN*. Thickness 5 ft. 8 in. to 6 ft. 4 in. Shaft. Machine and Pick mine. Daily capacity 1000 tons.

*NOT REPORTED

JEFFREY COAL WASHING EQUIPMENTS for reduction of ash or sulphur in coal. Bulletin No. 27 contains descriptions *of many interesting* washing installations. The Jeffrey Manu*facturing Company*, Columbus, Ohio.

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ILLINOIS—Saline County—C. C. C. & St. L. Ry.—(Continued)

O'GARA COAL CO., Chicago, operates mines Nos. 1, 2, 3, 4, 6, and 9 at Harrisburg, No. 5, at Carrier Mills, and No. 7 at Ledford. VEIN*. Thickness*. Shafts. Machine and Pick mines. Daily capacity 11900 tons.
Same Company operates mine No. 8 at Eldorado. (Also I. C. R. R.) VEIN*. Thickness*. Shaft. Machine and Pick mine. Daily capacity 1200 tons.
Same Company operates mines Nos. 10 and 11 at Eldorado. (Also I. C. and L. & N. R. R.) VEIN*. Thickness*. Shafts. Machine mines. Daily capacity 3300 tons.

SALINE COUNTY COAL CO., Chicago, operates mines Nos. 1 and 2 at Harrisburg. VEIN No. 5. Thickness 7½ ft. Shafts. Pick mines. Daily capacity 1200 tons. Trade name "Premium."

WASSON COAL CO., Harrisburg, operates Wasson mine No. 1 at Wasson. VEIN No. 5. Thickness 5 to 6 ft. Shaft. Pick mine. Daily capacity 2000 tons. Trade name "Harrisburg White Ash." Analysis on file.

ILLINOIS CENTRAL RAILROAD.

GALATIA COAL CO., THE, Galatia, operates mine at Galatia. VEIN No. 7. Thickness 5 ft. 8 in. Shaft. Pick mine. Daily capacity 1000 tons.

HARRISBURG SOUTHERN COAL CO., Chicago, operates Harrisburg mine at Grayson. (See C. C. C. & St. L. Ry.)

O'GARA COAL CO., Chicago, operates mines Nos. 8, 10 and 11 at Eldorado. (See C. C. C. & St. L. Ry.)

LOUISVILLE & NASHVILLE RAILROAD.

HARRISBURG SOUTHERN COAL CO., Chicago, operates mine at Grayson. (See C. C. C. & St. L. Ry.)

O'GARA COAL CO., Chicago, operates mines Nos. 10 and 11 at Eldorado. (See C. C. C. & St. L. Ry.)

SANGAMON COUNTY—County Seat, Springfield.

BALTIMORE & OHIO SOUTHWESTERN RAILROAD.

ILLINOIS COLLIERIES CO., Springfield, operates Springfield mine No. 8 at Springfield. (Also C. & A. and C. P. & St. L. Rys. and I. C. and Wabash Railroads.) VEIN No. 5. Thickness 5 ft. 9 in. Shaft. Pick mine. Daily capacity 1500 tons. Trade name "Empire."

O'GARA, T. J., Chicago, operates Jefferson mine at Springfield. VEIN*. Thickness*. Shaft. Pick mine. Daily capacity 1000 tons.

SPRING CREEK COAL CO,. Springfield, operates mine at Springfield. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 700 tons. Analysis on file.

WEST END COAL CO., of SPRINGFIELD, Springfield, operates West End mine at Springfield. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity* 1000 tons. Trade name "West End."

CHICAGO, BURLINGTON & QUINCY RAILROAD.

CHICAGO, WILMINGTON & VERMILLION COAL CO., Chicago, operates Thayer mine No. 1 at Thayer. (Also C. & A. Ry.) VEIN No. 5. Thickness 8 ft. Shaft. Machine Mine. Daily capacity 2250 tons. Trade name "Thayer." Analysis on file.

*NOT REPORTED

Chicago, Wilmington & Vermillion Coal Co.

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ILLINOIS—Sangamon County—(Continued)

CHICAGO, PEORIA & ST. LOUIS RAILWAY.

CANTRALL CO-OPERATIVE COAL CO., Cantrall, operates Cantrall mine at Cantrall. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 700 tons. Trade name "Cantrall."

CITIZENS COAL MINING CO., THE, Springfield, operates mines "A" and "B" at Springfield. VEIN No. 5. Thickness 6 ft. Shafts. Pick mines. Daily capacity 2000 tons. Trade name "Washington." Analysis on file.

CORA COAL CO., Springfield, operates Cora mine at Andrew. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 1000 tons. Analysis on file.

ILLINOIS COLLIERIES CO., Springfield, operates Springfield mine No. 8 at Springfield. (See B. & O. S. W. R. R.)

TUXHORN COAL CO., Springfield, operates Tuxhorn mine at Keys. (Also C. & A. and C. H. & D. Rys. and I. C. R. R.) VEIN No. 3. Thickness 5 ft. 8 in. Shaft. Pick mine Daily capacity 1000 tons. Trade name "Tuxhorn" Analysis on file.

CHICAGO & ALTON RAILWAY.

BLACK DIAMOND COAL CO., Auburn, operates Black Diamond mine at Auburn. VEIN No. 6. Thickness 8 ft. Shaft. Pick mine. Daily capacity 1800 tons.

CANTRALL CO-OPERATIVE COAL CO., Cantrall, operates Republic mine at Springfield. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 600 tons. Trade name "Republic."

CHICAGO-SPRINGFIELD COAL CO., Springfield, operates C-S mine at Springfield. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 1500 tons. Trade name "C-S." Analysis on file.

CHICAGO, WILMINGTON & VERMILLION COAL CO., Chicago, operates Thayer mine No. 1 at Thayer. (See C. B. & Q. R. R.)

ILLINOIS COLLIERIES CO., Springfield, operates Auburn mine No. 2 at Auburn. VEIN No. 5. Thickness 5 ft. 9 in. Shaft. Pick mine. Daily capacity 1200 tons.

Same Company operates Springfield mine No. 8 at Springfield. (See B. & O. S. W. R. R.)

ILLINOIS MIDLAND COAL CO., Chicago, operates Sherman mine at Sherman. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 2200 tons.

SANGAMON COAL CO., Springfield, operates Sangamon mine No. 2 at Springfield. (Also C. H. & D. Ry. and I. C. R. R.) VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 1000 tons. Analysis on file

SPRINGFIELD COAL MINING CO., Springfield, operates Black Diamond mine No. 4 at Iles, and Junction mine No. 5. at Springfield Junction. (Also Wabash R. R.) VEIN No. 5. Thickness 6 ft. Shafts. Pick mines. Daily capacity 2800 tons. Analysis on file.

AUSTIN POWDER COMPANY

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Fuse, Caps and Blasting Supplies

CLEVELAND OHIO

Brattice Cloth and Wire Rope

Cordage and Tackle Blocks

THE UPSON-WALTON CO.

CLEVELAND, OHIO

ILLINOIS—Sangamon County—C. & A. Ry.—(Continued)

SPRINGFIELD CO-OPERATIVE COAL CO., Springfield, operates mine at Springfield. VEIN*. Thickness 5 ft. 10 in. Shaft. Pick mine. Daily capacity 700 tons.

TUXHORN COAL CO., Springfield, operates Tuxhorn mine at Keys. (See C. P. & St. L. R. R.)

WILLIAMSVILLE COAL CO., Springfield, operates mine at Selbytown. VEIN No. 5. Thickness 5 ft. 10 in. Shaft. Pick mine. Daily capacity 800 tons.

CINCINNATI, HAMILTON & DAYTON RAILWAY.

SANGAMON COAL CO., Springfield, operates Sangamon mine No. 2 at Springfield. (See C. & A. R. R.)

TUXHORN COAL CO., Springfield, operates Tuxhorn mine at Keys. (See C. P. & St. L. R. R.)

ILLINOIS CENTRAL RAILROAD.

BARCLAY COAL & MINING CO., Springfield, operates Barclay mine at Barclay. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 1000 tons.

ILLINOIS COLLIERIES CO., Springfield, operates Springfield mine No. 8 at Springfield. (See B. & O. S. W. R. R.)

SANGAMON COAL CO., Springfield, operates Sangamon mine No. 2 at Springfield. (See C. & A. Ry.)

SPRINGFIELD COAL MINING CO., Springfield, operates Starne mine No. 3 at Starne. (Also Wabash R. R.) VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 900 tons. Analysis on file.

STANDARD WASHED COAL CO., Springfield, operates Clear Lake mine at Bissell. VEIN*. Thickness 6 ft. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "Clear Lake." Analysis on file.

Same Company operates Spaulding mine at Spaulding. VEIN*. Thickness 6 ft. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "Spaulding." Analysis on file.

TUXHORN COAL CO., Springfield, operates Tuxhorn mine at Keys. (See C. P. & St. L. R. R.)

ILLINOIS TRACTION SYSTEM.

MECHANICSBURG COAL CO., (T. B. Enochs, Owner), Mechanicsburg, operates mine at Mechanicsburg. VEIN*. Thickness 5 ft. Shaft. Pick mine. Daily capacity 225 tons.

SPRINGFIELD TERMINAL RAILROAD.

JONES & ADAMS COAL CO., Springfield, operates Peerless mine at Springfield. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 2000 tons. Analysis on file.

*NOT REPORTED

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JEFFREY PICKING TABLES are suitable for handling Coal or Ores for various conditions. Built with Rubber Belt and overlapping pan. Plans and prices upon request. The Jeffrey Manufacturing Company, Columbus, Ohio.

ILLINOIS—Sangamon County—(Continued)

WABASH RAILROAD.

ILLINOIS COLLIERIES CO., Springfield, operates Springfield mine No. 8 at Springfield. (See B. & O. S. W. R. R.)

SPRINGFIELD COAL MINING CO., Springfield, operates Riverton mines Nos. 1 and 2 at Riverton. VEIN No. 5. Thickness 6 ft. Shafts. Pick mines. Daily capacity 3000 tons. Analysis on file.

Same Company operates Starne mine No. 3 at Starne. (See I. C. R. R.)

Same Company operates Black Diamond mine No. 4 at Iles. (See C. & A. Ry.)

Same Company operates Junction mine No. 5 at Springfield Junction. (See C. & A. Ry.)

WABASH COAL CO., Quincy, operates Dawson mine No. 1 at Dawson. VEIN No. 5. Thickness 5½ ft. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "Dawson."

SHELBY COUNTY—County Seat, Shelbyville.

BALTIMORE & OHIO RAILROAD.

CENTURY COAL CO., Tower Hill, operates mine No. 1 at Tower Hill. (Also C. C. C. & St. L. Ry.) VEIN No. 6. Thickness 8 ft. 4 in. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "Century."

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY.

CENTURY COAL CO., Tower Hill, operates mine No. 1 at Tower Hill. (See B. & O. R. R.)

ILLINOIS CENTRAL RAILROAD.

MOWEAQUA COAL MINING & MANUFACTURING CO., Moweaqua, operates mine No. 1 at Moweaqua. VEIN No. 5. Thickness 5 ft. 3 in. Shaft. Pick mine. Daily capacity 500 tons. Trade name "Erie." Analysis on file.

STARK COUNTY—County Seat, Toulon.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

HIGBEE & CO., Wyoming, operates Wyoming mine at Wyoming. VEIN No. 6. Thickness 4 ft. Shaft. Pick mine. Daily capacity 200 tons.

TAZEWELL COUNTY—County Seat, Pekin.

ATCHISON, TOPEKA & SANTA FE RAILWAY.

CHAMPION COAL CO., Pekin, operates Pfanz mine at Pekin. VEIN No. 5. Thickness 4 ft. 8 in. Shaft. Pick mine. Daily capacity 200 tons.

LAKE ERIE & WESTERN RAILROAD.

LAKE ERIE COAL & MINING CO., Peoria, operates mine at East Peoria. VEIN No. 5. Thickness 4 ft. 4 in. Slope. Machine and Pick mine. Daily capacity 200 tons.

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ILLINOIS—(Continued)

VERMILLION COUNTY—County Seat, Danville.

CHICAGO & EASTERN ILLINOIS RAILROAD.

BRAZIL BLOCK COAL CO., Chicago, operates mines Nos. 3 and 4 at Steelton. VEIN No. 6. Thickness 5 ft. 8 in. Shafts. Pick mines. Daily capacity 3200 tons. (Also in Indiana.)

HASKINS & SONS, Grape Creek, operates Hawbuck mine at Grape Creek, VEIN No. 6. Thickness 7 ft. Slope. Pick mine.

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY.

ELECTRIC COAL CO., Danville, operates Electric mine at Hillary. VEIN No. 7. Thickness 6 ft. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "Electric."

GRAY, E. S., COAL CO., Danville, operates Gray's mine at Missionfield. VEIN No. 1. Thickness 6 ft. Shaft. Pick mine. Daily capacity 600 tons. Analysis on file.

MAUCK BROS., Danville, operates mine at Batestown. VEIN Danville. Thickness 6 ft. Drift. Pick mine. Daily capacity 100 tons.

ILLINOIS TRACTION SYSTEM.

SOUTH OAKWOOD COAL CO., Oakwood, operates Oakwood mine at Oakwood. VEIN Top Vein. Thickness 6 ft. Shaft. Pick mine. Daily capacity 200 tons.

TILTON COAL CO., Danville, operates Star mine at Tilton. VEIN Danville. Thickness 6 ft. Incline. Pick mine. Daily capacity 300 tons.

WABASH RAILROAD.

DANVILLE COLLIERIES COAL CO., Catlin, operates Catlin Shaft at Catlin. VEIN Danville. Thickness 5½ ft. Shaft. Pick mine. Daily capacity 250 tons. Analysis on file.

WILLIAMSON COUNTY—County Seat, Marion.

CHICAGO, BURLINGTON & QUINCY RAILROAD.

CHICAGO & CARTERVILLE COAL CO., Herrin, operates mine "A" at Herrin. (Also I. C. R. R. and Mo. Pac. Ry.) VEIN No. 7. Thickness 9 ft. Shaft. Machine Mine. Daily capacity 2500 tons. Trade name "Hickory Hill." Analysis on file.
Same Company operates mine "B" at Herrin. VEIN No. 7. Thickness 9 ft. Shaft. Pick mine. Daily capacity 1500 tons. Trade name "Hickory Hill." Analysis on file.

SUNNYSIDE COAL CO., Chicago, operates Sunnyside mine at Herrin. (Also I. C. R. R.) VEIN Carterville. Thickness*. Shaft. Machine and Pick mine. Daily capacity 2100 tons.

CHICAGO & ALTON RAILWAY.

MURPHY, LINSKEY & KASHER COAL CO., Braidwood, operates mine No. 4 at Braidwood. VEIN No. 2. Thickness 3 ft. 2 in. Shaft. Pick mine. Daily capacity 400 tons. Trade name "Wilmington."

*NOT REPORTED

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ILLINOIS—Williamson County—C. & A. Ry.—(Continued)

RIXON COAL CO., Chicago, operates Rixon mine at Braceville. VEIN No. 2. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 1000 tons.

CHICAGO & EASTERN ILLINOIS RAILROAD.

BIG MUDDY FUEL CO., Marion, operates Consumers mine at Johnston City. VEIN No. 7. Thickness 8 ft. Shaft. Pick mine. Daily capacity 1000 tons.

CARTERVILLE DISTRICT COAL CO., Marion, operates Carterville District mine at Marion. (Also Mo. Pac. Ry.) VEIN No. 7. Thickness 8 ft. Shaft. Machine mine. Daily capacity 1500 tons.

CHICAGO & BIG MUDDY COAL & COKE CO., Chicago, operates Big Muddy mine at Marion. (Also Mo. Pac. Ry.) VEIN No. 7. Thickness 7 to 10 ft. Shaft. Pick mine. Daily capacity 1800 tons. Trade name "Big Muddy." Analysis on file.

JOHNSTON CITY COAL CO., Chicago, operates mine No. 1 at Johnston City. (Also Mo. Pac. Ry.) VEIN No. 7. Thickness 9 ft. Shaft. Pick mine. Daily capacity 2000 tons. Analysis on file.

LAKE CREEK COAL CO., Marion, operates Lake Creek mine at Johnston City. (Also Mo. Pac. Ry.) VEIN No. 7. Thickness 9 to 13 ft. Shaft. Pick mine. Daily capacity 2000 tons. Trade name "Lake Creek."

WILLIAMSON COUNTY COAL CO., St. Louis, Mo., operates Johnston City mine at Johnston City. VEIN No. 7. Thickness 9 ft. Shaft. Pick mine. Daily capacity 1200 tons. Trade name "Black Brier."

COAL BELT RAILROAD.

ST. LOUIS-CARTERVILLE COAL CO., Herrin, operates Dale mine at Herrin. VEIN No. 7. Thickness 9 ft. Shaft. Pick mine. Daily capacity 1200 tons.

SOUTHERN ILLINOIS COAL CO., Chicago, operates Hemlock mine at Herrin. (Also I. C. R. R.) VEIN No. 7. Thickness 9 ft. Shaft. Pick mine. Daily capacity 950 tons. Trade name "Hemlock."

ELGIN, JOLIET & EASTERN RAILWAY.

WILMINGTON COAL MINING & MANUFACTURING CO., Chicago, operates mine No. 6 at Torino. VEIN*. Thickness 3 ft. 4 in. Shaft. Pick mine.

ELDORADO, MARION & SOUTHWESTERN RAILWAY.

ALLEGANY COAL CO., Marion, operates Allegany mine at Allegany. VEIN No. 7. Thickness 8 ft. Shaft. Pick mine. Just developing. Analysis on file.

COLP COAL CO., Marion, operates Colp mine at Pittsburg. VEIN No. 7. Thickness 7 ft. Shaft. Pick mine. Daily capacity 2000 tons. Trade name "Pittsburg."

KEYSTONE BIG MUDDY COAL & COKE CO., Marion, operates Keystone mine at Pittsburg. (Also I. C. R. R.) VEIN No. 7. Thickness 6½ ft. Shaft. Machine and Pick mine. Daily capacity 400 tons. Trade name "Keystone."

*NOT REPORTED

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General Offices, Chicago, Ill.
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BRANCH OFFICES: St. Louis, Mo. New Orleans, La. Boston, Mass.

ILLINOIS—Williamson County—(Continued)

ILLINOIS CENTRAL RAILROAD.

CARTERVILLE COAL CO., St. Louis, Mo., operates "Burr C" mine at Carterville. VEIN No. 9. Thickness 10 ft. Shaft. Pick mine. Daily capacity 1600 tons. Trade name "Burr Carterville." Analysis on file.

CARTERVILLE & BIG MUDDY COAL CO., Carterville, operates John mine at Cambria. VEIN No. 7. Thickness 9 to 11 ft. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "John's Domestic."

CARTERVILLE & HERRIN COAL CO., THE, Herrin, operates Jeffrey mine at Herrin. (Also Mo. Pac. Ry.) VEIN No. 7. Thickness 9 ft. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "Old Reliable Carterville."

CHICAGO & CARTERVILLE COAL CO., Herrin, operates mine "A" at Herrin. (See C. B. & Q. R. R.)

CHICAGO-HERRIN COAL CO., THE, Herrin, operates mine at Herrin. VEIN No. 7. Thickness 9 ft. Shaft. Pick mine. Daily capacity 1000 tons. Trade name "Nubbin Ridge."

DONALY-KOENNECKE COAL CO., Carterville, operates New Donaly mine at Brush Crossing. VEIN Black Diamond. Thickness 9½ ft. Shaft. Pick mine. Daily capacity 1000 tons. Analysis on file.

KEYSTONE BIG MUDDY COAL & COKE CO., Marion, operates Keystone mine at Pittsburg. (See E. M. & S. W. Ry.)

SOUTHERN ILLINOIS COAL CO., Chicago, operates Oak Ridge mine at Johnston City. (Also St. L. I. M. & S. Ry.) VEIN No. 7. Thickness 9 ft. Shaft. Machine mine. Daily capacity 850 tons. Trade name "Oak Ridge." Analysis on file.
Same Company operates Hemlock mine at Herrin. (See Coal Belt R. R.)

SUNNYSIDE COAL CO., Chicago, operates Sunnyside mine at Herrin. (See C. B. & Q. R. R.)

TAYLOR COAL CO., Chicago, operates mines Nos. 1 and 2 at East Carterville. (Also Mo. Pac. Ry.) VEIN No. 6. Thickness 8 to 9 ft. Shafts. Pick mines. Daily capacity 2400 tons. Trade name "Energy." Analysis on file.

MISSOURI PACIFIC RAILWAY.

CARTERVILLE DISTRICT COAL CO., Marion, operates Carterville District mine at Marion. (See C. & E. I. R. R.)

CARTERVILLE & HERRIN COAL CO., THE, Herrin, operates Jeffrey mine at Herrin. (See I. C. R. R.)

CHICAGO & BIG MUDDY COAL & COKE CO., Chicago, operates Big Muddy mine at Marion. (See C. & E. I. R. R.)

CHICAGO & CARTERVILLE COAL CO., Herrin, operates mine "A" at Herrin. (See C. B. & Q. R. R.)

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ILLINOIS—Williamson County—Missouri Pacific Ry.—(Continued)

JOHNSTON CITY COAL CO., Chicago, operates mine No. 1 at Johnston City. (See C. & E. I. R. R.)

LAKE CREEK COAL CO., Marion, operates Lake Creek mine at Johnston City. (See C. & E. I. R. R.)

TAYLOR COAL CO., Chicago, operates mines Nos. 1 and 2 at East Carterville. (See I. C. R. R.)

WEST VIRGINIA COAL CO., Marion, operates Ideal mine near Marion. VEIN No. 7. Thickness 7½ to 8 ft. Shaft. Machine mine. Daily capacity 1000 tons.

ST. LOUIS, IRON MOUNTAIN & SOUTHERN RAILWAY.

SOUTHERN ILLINOIS COAL CO., Chicago, operates Oak Ridge mine at Johnston City. (See I. C. R. R.)

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This machine is the one most generally used for cutting in seams over four feet in thickness where average conditions are met with.

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This machine is especially adaptable for working low veins, being very compact, the mechanism is simple, and amply strong for the most severe conditions.

JEFFREY COAL CUTTERS are essential in every Mine where strictly modern and reliable machinery is used. They are built to withstand the rough work incident to mine service and all parts are made interchangeable to insure quick replacements.

Also see pages 1 and 13

The Jeffrey Manufacturing Company

Columbus, Ohio.

1910

INDIANA

Index of Veins, showing Counties in which they are found.

Vein	County
No. 1 (Lower Vein Block)	Clay—Park—Sullivan—Vigo
No. 2	Sullivan
No. 3	Clay—Sullivan—Vermillion—Vigo
No. 4	Daviess—Green—Sullivan—Vermillion—Vigo-Warrick
No. 5	Clay—Green—Knox—Pike—Sullivan—Vermillion—Vigo—Warrick
No. 6	Gibson—Knox—Pike—Sullivan—Vermillion—Vigo
No. 7	Sullivan
No. 9	Vanderburg—Warrick
Block	Clay—Vigo
Cannel	Daviess
Minshall	Park
Rosedale	Park
Semi-Block	Park

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CLEVELAND, O.

INDIANA

CLAY COUNTY—County Seat, Brazil.

CENTRAL INDIANA RAILWAY.

HALL-ZIMMERMAN COAL CO., Brazil, operates Wizard mine at Brazil. VEIN No. 1 Lower Vein Block. Thickness 2½ to 4½ ft. Shaft. Pick mine. Daily capacity 200 tons.

CHICAGO & EASTERN ILLINOIS RAILROAD.

CRAWFORD COAL CO., Brazil, operates mines Nos. 9 and 10 at Brazil and Beech Grove respectively. VEIN Block. Thickness 3½ to 4 ft. Shafts. Pick mines. Daily capacity 500 tons. Analysis on file.

MIAMI COAL CO., Chicago, Ill., operates mines Nos. 1, 2, 3, 4, 5, and 6 at Brazil. VEIN No. 3. Thickness 5 to 8 ft. Shafts. Pick mines. Daily capacity 3500 tons.

EVANSVILLE & INDIANAPOLIS RAILROAD.

HARRISON COAL & MINING CO., Clay City, operates Harrison mine No. 5 at Clay City. VEIN Block. Thickness 3½ to 4½ ft. Shaft. Pick mine. Daily capacity 150 tons. Trade name "Lancaster Block." Analysis on file.

INDIANA BLOCK COAL CO., Saline City, operates mine No. 1 at Saline City. VEIN Lower Vein Block. Thickness 3 ft. Shaft. Pick mine. Daily capacity 150 tons.

SOUTHERN INDIANA RAILWAY.

BIG VEIN MINING CO., Terre Haute, operates Big Vein mine near Coalmont. VEIN No. 5. Thickness 7½ to 11 ft. Shaft. Machine mine. Daily capacity 1500 tons. Trade name "Big Vein." Analysis on file.

VIVIAN COLLIERIES CO., Chicago, Ill., operates Vivian mines Nos. 1 and 2 at Jasonville. Shafts. Machine and Pick mines. Daily capacity 1200 tons.

VANDALIA RAILROAD.

CRAWFORD COAL CO., Brazil, operates mines Nos. 2 and 6 at Center Point. VEIN Block. Thickness 3½ to 4 ft. Shafts. Pick mines. Daily capacity 400 tons. Analysis on file.

EHRLICH, C. COAL CO., Turner, operates Klondyke mine No. 3 at Turner. VEIN No. 3. Thickness 7½ ft. Shaft. Pick mine. (Just developing).

ZELLER, McCLELLAN & CO., Brazil, operates mine No. 4 at Brazil. VEIN Lower. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 150 tons. Trade name "Lower Vein Brazil Block." Analysis on file.

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INDIANA—(Continued)

DAVIESS COUNTY—County Seat, Washington.

BATIMORE & OHIO SOUTHWESTERN RAILROAD.

DAVIESS COUNTY COAL CO., THE, Montgomery, operates mine No. 4 at Montgomery. VEIN No. 4. Thickness 4 ft. Shaft. Pick mine. Daily capacity 1500 tons. Analysis on file.

MUTUAL MINING CO., THE, Cannelburg, operates Mutual mine at Cannelburg. VEIN Cannel and Bituminous. Thickness 3½ to 4 ft. Shaft. Pick mine. Daily capacity 250 tons. Analysis of Cannel on file.

EVANSVILLE & INDIANAPOLIS RAILROAD.

MANDABACK COAL CO., Washington, operates Mandaback mine at Washington. VEIN No. 4. Thickness 6 ft. Shaft. Pick mine. Daily capacity 300 tons. Trade name "Mandy."

GIBSON COUNTY—County Seat, Princeton.

EVANSVILLE & TERRE HAUTE RAILROAD.

FORT BRANCH COAL MINING CO., Ft. Branch, operates Ft. Branch mine at Ft. Branch. VEIN No. 6. Thickness*. Shaft. Daily capacity 500 tons. Analysis on file.

GREEN COUNTY—County Seat, Bloomfield.

SOUTHERN INDIANA RAILWAY.

ALLIANCE COAL CO., Chicago, Ill., operates Hoosier mine No. 1 at Linton. VEIN No. 4. Thickness 3½ ft. Shaft. Machine and Pick mine. Daily capacity 500 tons. Trade name "Indiana No. 4." Analysis on file.
Same Company operates Hoosier mine No. 2 at Linton. VEIN No. 5. Thickness 6 ft. Shaft. Pick mine. Daily capacity 500 tons. Analysis on file.
Same Company operates Lattas Creek mine at Jasonville. VEIN No. 4. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 1800 tons. Trade name "Lattas No. 4." Analysis on file.

CALORA COAL CO., Indianapolis, operates Calora mine at Jasonville. VEIN No. 4. Thickness 5 ft. Shaft. Machine mine. Daily capacity 1000 tons. Trade name "Calora."

GREEN VALLEY COAL CO., Terre Haute, operates Green Valley mine at Jasonville. VEIN No. 4. Thickness 5 ft. Shaft. Machine mine. Daily capacity 1400 tons. Analysis on file.

QUEEN COAL & MINING CO., Jasonville, operates Queen mine at Jasonville. VEIN No. 4. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 500 tons.

VANDALIA RAILROAD.

ENTERPRISE COAL CO., Linton, operates Lyons mine at Linton. VEIN No. 4. Thickness 5 ft. Shaft. Pick mine. Daily capacity 150 tons.

SUMMIT COAL & MINING CO., Bloomfield, operates Summit mine at Linton. VEIN No. 4. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 1200 tons. Analysis on file.

*NOT REPORTED

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INDIANA—(Continued)

KNOX COUNTY—County Seat, Vincennes.

VANDALIA RAILROAD.

FREEMAN COAL CO., Bicknell, operates Freeman mine at Bicknell. VEIN No. 5. Thickness 7 ft. Shaft. Machine mine. Daily capacity 1500 tons.

HOME COAL CO., Bicknell, operates Bicknell mine at Bicknell. VEIN No. 6. Thickness 4 ft. 2 in. Shaft. Pick mine. Daily capacity 100 tons.

KNOX COAL CO., Bicknell, operates Knox mine at Bicknell. VEIN No. 5. Thickness 6 to 8½ ft. Shaft. Machine mine. Daily capacity 800 tons.

LINN COAL CO., Bicknell, operates Linn mine at Bicknell. VEIN No. 5. Thickness 5 to 6 ft. Shaft. Machine mine. Daily capacity 500 tons. Trade name "Indiana Raymond."

TECUMSEH COAL & MINING CO., Bicknell, operates Tecumseh mine at Bicknell. VEIN No. 5. Thickness 7 ft. Shaft. Machine mine. Daily capacity 1400 tons. Trade name "Tecumseh."

PARK COUNTY—County Seat, Rockville.

CENTRAL INDIANA RAILWAY.

ZELLER, McCLELLAN & CO., Inc., Brazil, operates mine No. 2 at Diamond. (Also C. & E. I. R. R.) VEIN Lower. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 300 tons. Trade name "Lower Vein Brazil Block."

CHICAGO & EASTERN ILLINOIS RAILROAD.

MECCA COAL CO., THE, Mecca, operates Fairview mine at Mecca. VEIN Minshall. Thickness 4 to 6 ft. Shaft. Pick mine. Daily capacity 400 tons. Trade name "Mecca."

OTTER CREEK COAL CO., Chicago, Ill., operates Mary mine No. 1 at Diamond. VEIN Block. Thickness 3 ft. Shaft. Machine mine. Daily capacity 175 tons.

VIVIAN COLLIERIES CO., Chicago, Ill., operates Lincoln mine at Clinton. Shaft. Machine and Pick mine. Daily capacity 800 tons.

ZELLER, McCLELLAN & CO., Inc., Brazil, operates mine No. 2 at Diamond. (See Central Indiana Ry.)
Same Company operates mines Nos. 3 and 5 at Diamond. VEIN Lower. Thickness 3 ft. 4 in. Shafts. Pick mines. Daily capacity 750 tons. Trade name "Lower Vein Brazil Block." Analysis on file.

VANDALIA RAILROAD.

HARRISON & SONS, W. P., Rockville, operates Klondyke mine at Rockville. VEIN Semi-Block. Average thickness 3½ ft. Shaft. Pick mine. Daily capacity 100 tons.

PARKE COUNTY COAL CO., Rosedale, operates mine No. 11 at Rosedale. VEIN Rosedale. Thickness 6½ to 7½ ft. Shaft. Machine and Pick mine. Daily capacity 750 tons. Analysis on file.

JEFFREY CONVEYERS FOR COAL AND COKE are designed and built to suit any practical conditions. Many installations are described in Catalog No. 81. The Jeffrey Manufacturing Company, Columbus, Ohio.

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INDIANA—(Continued)

PIKE COUNTY—County Seat, Petersburg.

EVANSVILLE & INDIANA RAILROAD.

LITTLE COAL CO., THE S. W., Evansville, operates Blackburn mines Nos. 1 and 2 at Blackburn. VEIN No. 5. Thickness 6 to 9 ft. Slope and Shaft. Pick mines. Daily capacity 2300 tons. Trade name "Blackburn."
Same Company operates Littles mine at Littles. VEIN No. 5. Thickness 5½ to 8 ft. Shaft. Machine and Pick mine. Daily capacity 1000 tons. Trade name "Flat Creek."

LITTLE SONS CO., S. W., Evansville, operates Gladstone mine at Gladstone. VEIN No. 5. Thickness 5 to 7 ft. Shaft. Pick mine. Daily capacity 150 tons. Trade name "Gladstone."

PEACOCK COAL & MININC CO., Indianapolis, operates Peacock mine No. 2 at Massy. VEIN No. 6. Thickness 8 ft. Slope. Machine mine. Daily capacity 300 tons. Trade name "Peacock".

SOUTHERN RAILWAY.

AYRSHIRE COAL CO., Oakland City, operates Ayrshire mines Nos. 4 and 5 at Ayrshire. VEIN No. 5. Thickness 5 ft. Drifts. Pick and Machine mines. Daily capacity 1500 tons. Trade name "Ayrshire." Analysis on file.

CENTRAL INDIANA COAL MINING CO., Muren, operates Carbon mine at Muren. VEIN No. 5. Thickness 5½ ft. Slope. Pick mine. Daily capacity 400 tons. Trade name "Carbon." (Also in Illinois.)

SULLIVAN COUNTY—County Seat, Sullivan.

CHICAGO, INDIANAPOLIS & LOUISVILLE RAILWAY.

SHIRLEY HILL COAL CO., Indianapolis, operates mine No. 1 near Linton. VEIN No. 6. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1000 tons.
Same Company operates Little Giant mine near Linton. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 1200 tons.
Same Company operates Clover Leaf mine at Cass. (Also Ind. South. R. R.) VEIN No. 4. Thickness 5 ft. Shaft. Machine mine. Daily capacity 1000 tons. Trade name "Clover Leaf."

EVANSVILLLE & TERRE HAUTE RAILROAD.

ALLIANCE COAL CO., Chicago, operates Alum Cave mine at Alum Cave. VEINS Nos. 1, 2 and 5. Thickness 4, 3½ and 9 ft. respectively. Machine mines. Daily capacity 1000 tons. Analysis on file.
Same Company operates Cummings mine at Cummings. VEIN No. 7. Thickness 5 ft. Slope. Pick mine. Daily capacity 500 tons. Trade name "Cummings No. 7." Analysis on file.
Same Company operates Phoenix mine at Shelburn and Hocking mine at Farmersburg. VEIN No. 6. Thickness 6 ft. Shafts. Machine mines. Daily capacity 2300 tons. Trade names "Phoenix and Hocking No. 6." Analysis on file.

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JEFFREY DROP RAIL MINE CAGES are dependable to work properly and continuously without undue attention. Send for Bulletin No. 24. The Jeffrey Manufacturing Company, Columbus, Ohio.

INDIANA—Sullivan County—E. & T. H. R. R.—(Continued)

BELLEVUE COAL CO., Carlisle, operates Bellevue mine at Carlisle. VEIN No. 5. Thickness 5 ft. Shaft. Pick mine. Daily capacity 1000 tons. Analysis on file.

CARLISLE COAL & CLAY CO., Carlisle, operates Carlisle mine at Carlisle. VEIN No. 5. Thickness 5 ft. Shaft. Pick mine. Daily capacity 1000 tons.

CONSOLIDATED INDIANA COAL CO., Chicago, Ill., operates mines Nos. 25, 26, 30, 32 and 33 at Hymera. (Also S. I. Ry.) VEINS Nos. 5 and 6. Thickness 5½ ft. Shafts. Machine mines. Daily capacity 5000 tons.

GREGORY COAL & MINING CO., Shelburn, operates Keystone mine at Shelburn. VEIN No. 5. Thickness average 5 ft. Shaft. Pick mine. Daily capacity 600 tons. Analysis on file.

HAMILTON COAL CO., Cincinnati, Ohio, operates Hamilton mine in Northeastern part of Sullivan County. VEIN No. 3 or 4. Thickness 6 ft. 4 in. Shaft. Machine mine. Daily capacity 500 tons.

HUDSON COAL & MINING CO., THE, Chicago, Ill., operates Superior mine at Farmersburg. VEIN No. 7. Thickness 6 ft. Shaft. Pick mine. Daily capacity 600 tons.

JACKSON HILL COAL & COKE CO., Terre Haute, operates mine No. 2 at Jackson Hill, and mine No. 4 at Kolsem. VEIN No. 6. Thickness 5½ ft. Shafts. Machine mines. Daily capacity 2500 tons. Trade name "Jackson Hill."

INDIANAPOLIS SOUTHERN RAILROAD.

ALLIANCE COAL CO., Chicago, operates Washington mine at Farnsworth. VEIN No. 6. Thickness 6 ft. Shaft. Machine mine. Daily capacity 800 tons. Trade name "Washington." Analysis on file.
Same Company operates Rainbow mine at Caledonia. VEIN No. 6. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1200 tons. Trade name "Rainbow." Analysis on file.

SHIRLEY HILL COAL CO., Indianapolis, operates Clover Leaf mine at Cass. (See C. I. & L. Ry.)

SULLIVAN COUNTY COAL CO., Terre Haute, operates Freeman mine at Dugger. VEIN No. 6. Thickness 5½ ft. Shaft. Pick mine. Daily capacity 500 tons.

SUNFLOWER COAL CO., Dugger, operates Sunflower mine No. 1 at Dugger. VEIN No. 6. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1200 tons. Analysis on file.

SOUTHERN INDIANA RAILWAY.

ALLIANCE COAL CO., Chicago, operates Tower Hill mine at Tower Hill. VEIN No. 3. Thickness 9 ft. Shaft. Pick mine. Daily capacity 1000 tons. Analysis on file.

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INDIANA—Sullivan County—Southern Indiana Ry.—(Continued)

Same Company operates Keystone mine at Jasonville. VEIN No. 4. Thickness 5½ ft. Shaft. Pick mine. Under development. Analysis on file.

Same Company operates Midland mine at Midland. VEIN No. 3. Thickness 6 to 9 ft. Shaft. Machine mine. Daily capacity 1000 tons. Analysis on file.

Same Company operates Mammoth Vein mine at Shelburn. VEIN No. 6. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1000 tons. Trade name "Mammoth No. 6." Analysis on file.

Same Company operates Gilmour mine at Gilmour. VEIN No. 4. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 1000 tons. Trade name "Gilmour No. 4." Analysis on file.

Same Company operates Citizens mine at Sullivan. VEIN No. 6. Thick-

CONSOLIDATED INDIANA COAL CO., Chicago, operates mines Nos. 25, ness 5½ ft. Shaft. Machine and Pick mine. Daily capacity 600 tons. Analysis on file.

26, 30, 32 and 33 at Hymera. (See E. & T. H. R. R.)

KETTLE CREEK MINING CO., Terre Haute, operates Pearl mine at Shelburn. VEIN No. 6. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 600 tons. Trade name "Kettle Creek."

VANDALIA RAILWAY.

SHIRLEY HILL COAL CO., Indianapolis, operates mine No. 3 near Linton. VEIN No. 6. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 1000 tons.

VANDERBURG COUNTY—County Seat, Evansville.

BELT RAILROAD.

CRESCENT COAL CO., Inc., Evansville, operates Crescent mine at Evansville. (Also I. C. R. R.) VEIN No. 9. Thickness 4½ ft. Shaft. Pick mine. Daily Capacity 800 tons.

SUNNYSIDE COAL & COKE CO., Evansville, operates Sunnyside mine at Evansville. VEIN No. 9. Thickness 4½ ft. Shaft. Pick mine. Daily capacity 300 tons.

EVANSVILLE & TERRE HAUTE RAILROAD.

DIAMOND COAL CO., Evansville, operates Diamond mine at Evansville. VEIN*. Thickness 4 ft. Shaft. Pick mine. Daily capacity 400 tons. Trade name "Diamond."

ILLINOIS CENTRAL RAILROAD.

CRESCENT COAL CO., Inc., Evansville, operates Crescent mine at Evansville. (See Belt R. R.)

*NOT REPORTED

Crescent Coal Company, Incorporated

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INDIANA—Vanderburg County—(Continued)

LOUISVILLE & NASHVILLE RAILROAD.

GIBSON & MOORE COAL CO., Evansville, operates Ingle mine at Evansville. VEIN No. 9. Thickness 4½ ft. Shaft. Pick mine. Daily capacity 400 tons.

VERMILLION COUNTY—County Seat, Newport.

CHICAGO & EASTERN ILLINOIS RAILROAD.

BRAZIL BLOCK COAL CO., Chicago, Ill., operates mine No. 2 at Westville. VEIN No. 6. Thickness 5 ft. 8 in. Shaft. Pick mine. Daily capacity 2000 tons. (Also in Illinois.)

CLINTON COAL CO., Clinton, operates Crown Hill mines Nos. 1 and 2 at Clinton. VEIN No. 5. Thickness 4 to 7 ft. Shafts. Pick and Machine mines. Daily capacity 2000 tons. Trade name "Crown Hill." Analysis on file.

Same Company operates Crown Hill mines Nos. 3 and 4 at Clinton. VEINS Nos. 3 and 4 respectively. Thickness 4 to 7 ft. Shafts. Pick and Machine mines. Daily capacity 2000 tons. Trade name "Crown Hill." Analysis on file.

OAK HILL COAL & MINING CO., Clinton, operates Buckeye mine at Clinton. VEIN No. 5. Thickness 4½ ft. Shaft. Pick mine. Daily capacity 1400 tons. Analysis on file.

Same Company operates Klondyke mine at Clinton. VEIN No. 3. Thickness 7 to 8 ft. Shaft. Pick mine. Daily capacity 1000 tons. Analysis on file.

Same Company operates Oak Hill mine at Clinton. VEIN No. 4. Thickness 4 ft. Shaft. Pick mine. Daily capacity 1500 tons. Analysis on file.

VIGO COUNTY—County Seat, Terre Haute.

CHICAGO & EASTERN ILLINOIS RAILROAD.

DOMESTIC BLOCK COAL CO., Kokomo, operates mine No. 1 at Brazil. VEIN Lower. Thickness 4 ft. Shaft. Machine mine. Daily capacity 400 tons. Trade name "Domestic Block." Analysis on file.

GRANT COAL MINING CO., Burnett, operates mine No. 3 at Burnett. VEIN No. 5. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1000 tons. Analysis on file.

JACKSON HILL COAL & COKE CO., Terre Haute, operates mine No. 5 at Tecumseh. VEIN No. 4. Thickness 5 ft. Shaft. Machine mine. Daily capacity 1500 tons. Trade name "Vigo."

OTTER CREEK COAL CO., Chicago, Ill., operates Mary mine No. 2 at Coal Bluff. VEIN Block. Thickness 3 ft. 9 in. Shaft. Machine mine. Daily capacity 100 tons.

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CLEVELAND, OHIO

CORDAGE AND TACKLE BLOCKS
BRATTICE CLOTH AND WIRE ROPE

INDIANA—Vigo County—(Continued)

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY.

ALLIANCE COAL CO., Chicago, Ill., operates Forest mine at Terre Haute. VEIN No. 6. Thickness 7 to 8 ft. Shaft. Machine and Pick mine. Daily capacity 1000 tons. Trade name "Forest No. 6." Analysis on file.

LOWER VEIN COAL CO., Terre Haute, operates Lower Vein mine at Richards Switch. VEIN No. 5. Thickness 4½ ft. Shaft. Pick mine. Daily capacity 900 tons. Trade name "Lower Vein."

PITTSBURGH MINING CO., Terre Haute, operates mine No. 1 near Sanford. VEIN No. 4. Thickness 5½ to 6½ ft. Shaft. Pick mine. Daily capacity 2000 tons. Trade name "Sanford No. 4." Analysis on file.

VANDALIA RAILROAD.

DEEP VEIN COAL CO., Terre Haute, operates Deep Vein mine No. 1 at West Terre Haute. VEIN No. 5. Thickness 4 ft. 2 in. Shaft. Pick mine. Daily capacity 750 tons. Analysis on file.
Same Company operates Deep Vein mine No. 2 at West Terre Haute. VEIN No. 4. Thickness 5 ft. Shaft. Machine mine. Daily capacity 800 tons. Analysis on file.

GLEN AYR COAL CO., Terre Haute, operates Glen Ayr mines Nos. 1 and 2 at Terre Haute. VEIN No. 4. Thickness 5 ft. Shafts. Machine mines. Daily capacity 1400 tons.

SUGAR VALLEY COAL CO., West Terre Haute, operates Sugar Valley mine at West Terre Haute. VEIN No. 5. Thickness 4 ft. 2 in. Shaft. Pick mine, Daily capacity 200 tons. Trade name "Sugar Valley." Analysis on file.

VIGO COUNTY COAL CO., Turner, operates May mine No. 2 at Seelyville. VEIN No. 3. Thickness 7 ft. Shaft. Pick mine. Daily capacity 1000 tons.

WARRICK COUNTY—County Seat, Boonville.

EVANSVILLE, SUBURBAN & NEWBURG RAILWAY.

ARCHBOLD COAL CO., JOHN, Evansville, operates Red Shaft mine at Newburgh. VEIN No. 9. Thickness 4 ft. Shaft. Pick mine. Just developing. Analysis on file.

EPWORTH COAL CO., Newburg, operates Epworth mine at Newburg. VEIN No. 5. Thickness 4 ft. Shaft. Pick mine. Daily capacity 100 tons. Analysis on file.

MENDEN COAL CO., C. H., Evansville, operates Menden mine No. 2 at De Forest. (Also Southern Ry.) VEIN No. 5. Thickness 5½ ft. Slope Pick mine. Just developing.

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and High Explosives

Dealers in
Fuse, Caps and Blasting
Supplies

CLEVELAND OHIO

INDIANA—Warrick County—E. S. & N. Ry.—(Continued)

WORSHAM NEWBURG COAL CO., Evansville, operates Worsham mine at Newburgh. VEIN No. 4. Thickness 4½ ft. Shaft. Pick mine. Daily capacity 200 tons.

EVANSVILLE & INDIANAPOLIS RAILROAD.

ELBERFELD OIL, GAS & MINING CO., Elberfeld, operates mine at Elberfeld. VEIN Ohio Valley No. 5. Thickness 4 to 9 ft. Shaft. Pick mine. Daily capacity 200 tons.

SOUTHERN RAILWAY.

BIG FOUR COAL CO., Boonville, operates Big Four mine at Boonville. VEIN No. 5. Thickness 7 ft. Slope. Machine mine. Daily capacity 800 tons. Analysis on file.

CALEDONIA MINING CO., New Albany, operates Caledonia mine near Chandler. VEIN No. 5. Thickness 5 ft. Shaft. Machine mine. Daily capacity 300 tons. Analysis on file.

CHANDLER COAL CO., Evansville, operates Chandler mine at Chandler. VEIN No. 5. Thickness 5 ft. Shaft. Machine mine. Daily capacity 400 tons.

ERIE CANAL COAL CO., Boonville, operates Erie Canal mine at Chandler. VEIN No. 5. Thickness 5 ft. Shaft. Machine mine. Daily capacity 500 tons.

MENDEN COAL CO., C. H., Evansville, operates Menden mine No. 1 at De Forest. VEIN No. 5. Thickness 6 to 7 ft. Shaft. Machine mine. Daily capacity 250 tons. Trade name "De Forest." Analysis on file.
Same Company operates Menden mine No. 2 at De Forest. (See E. S. & N. Ry.)

WOOLEY COAL CO., J., Evansville, operates Polk mines Nos. 5 and 7 at Polk Station. VEIN No. 5. Thickness 7 to 9 ft. Double Slope. Machine mines. Daily capacity 2500 tons. Trade name "Big Vein." Analysis on file.
Same Company operates Castle Garden mine No. 6 at Castle Garden. VEIN No. 5. Thickness 4½ to 5 ft. Shaft. Pick mine. Daily capacity 1000 tons. Analysis on file.

JEFFREY ROTARY TIPPLE DUMPS are thoroughly substantial and efficient, they dump to equal advantage, cars with or without end gates. The Jeffrey Manufacturing Company, *Columbus, Ohio.*

KENTUCKY

Index of Veins, showing Counties in which they are found.

Vein	County
No. 1	Floyd—Johnson—Pike—Pulaski—Wayne—Whitley
No. 2	Pulaski—Whitley
No. 4	Lawrence—Whitley
No. 5	Union
No. 6	Union
No. 7	Boyd—Carter
No. 9	Daviess—Henderson—Hopkins—Laurel—Muhlenburg—McLean—Ohio—Union—Webster
No. 11	Hopkins—Muhlenburg—Union—Webster
No. 14	Hopkins
No. 15	McLean
Banner	Pike
Barner	Bell
Barren Fork	Pulaski
Beattyville	Lee
Blue Gem	Whitley
Cannel	Carter—Johnson—Morgan
Coalton	Boyd
Columbia	Bell
Cumberland	Laurel
Dean	Bell—Knox
Empire	Christian
Excelsior	Bell
Freeburn	Pike
Gas	Lawrence
Harris	Bell
Hignite	Bell
Jellico	Knox—Whitley
Jellico Blue Gem	Whitley
Lily	Laurel
Lower Elkhorn	Pike
Mason	Bell
Mingo	Bell
Peach Orchard	Lawrence
Pineville	Bell
Poplar Lick	Bell
Splint	Lawrence
Straight Creek	Bell
Stray Seam	Bell—Christian—Henderson
Thacker	Pike
Turner	Bell
Upper Elkhorn	Pike

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KENTUCKY

BELL COUNTY—County Seat, Pineville.

LOUISVILLE & NASHVILLE RAIROAD.

BELL COUNTY COAL CO., Tinsley operates Elk mine at Tinsley. VEIN Dean. Thickness 6½ ft. Drift. Pick mine. Daily capacity 300 tons.

BIG HILL COAL CO., Richland, operates Blanche mine at Blanche. VEIN Straight Creek. Thickness 44 in. Drift. Machine and Pick mine. Daily capacity 600 tons.

BLACK RAVEN MINING CO., Chattanooga, Tenn., operates Black Raven mine at Four Mile. VEIN Straight Creek. Thickness 3 to 4 ft. Drift. Machine and Pick mine. Daily capacity 250 tons. Trade name "Black Raven." Analysis on file.

CANEY CREEK COAL & COKE CO., Mahanoy City, Pa., operates mine at Davisburg. VEIN Poplar Lick. Thickness 46 in. Drift and Incline. Machine mine. Daily capacity 500 tons. Analysis on file.

CENTRAL COAL CO., THE, Cary, operates mine at Cary. VEIN Straight Creek. Thickness 38 in. Drift. Pick mine. Daily capacity 100 tons. Trade name "Deer Lick Best Straight Creek." Analysis on file.

CLEAR CREEK COAL CO., Tamaqua, Pa., operates mine No. 1 at Chenoa. VEIN Poplar Lick. Thickness 52 in. Drift and Incline. Pick mine. Daily capacity 400 tons. Analysis on file.
Same Company operates mine No. 2 at Cairnes. VEIN Mason. Thickness 52 in. Drift and Incline. Pick mine. Daily capacity 300 tons. Analysis on file.

CLEAR FORK COAL & COKE CO., Middlesboro, operates mine at Fonde. VEIN Mingo. Thickness 6 ft. Drift. Pick mine. Daily capacity 1250 tons. Trade name "Clear Fork." Analysis on file.

COLEMAN MINING CO., Cary, operates Fox Ridge mine at Fox Ridge. VEIN Straight Creek. Thickness 40 to 42 in. Drift and Slope. Machine and Pick mine. Daily capacity 400 tons. Trade name "Fox Ridge." Analysis on file.

COLUMBIA COAL CO., Middlesboro, operates Columbia mine at Harlow. (Also Southern Ry.) VEIN Columbia. Thickness 6 ft. Drift. Incline. Daily capacity 500 tons.

CONTINENTAL COAL CORPORATION, Chattanooga, Tenn., operates Black Raven and Durell mines at Rim. VEIN Straight Creek. Thickness 3½ ft. Drifts. Machine mines. Daily capacity 500 tons. Trade name "Black Raven." Analysis on file.

THE UPSON - WALTON COMPANY
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KENTUCKY—Bell County—L. & N. R. R.—(Continued)

Same Company operates Hickory Block mine at Rim. VEIN*. Thickness 7 ft. Drift. Machine mine. Daily capacity 800 tons. Trade name "Hickory Block." Analysis on file.

Same Company operates Black Bear mine at Rim. VEIN Straight Creek. Thickness 3 ft. Drift. Machine mine. Daily capacity 200 tons. Trade name "Black Bear." Analysis on file.

EAST JELLICO COAL CO., Tinsley, operates mines Nos. 1 and 2 at Tinsley. VEIN Dean. Thickness 6½ to 7 ft. Drifts. Machine and Pick mines. Daily capacity 800 tons. Trade name "Blue Gem Jellico." Aanalysis on file.

EXCELSIOR COAL CO., Middlesboro, operates Excelsior mine at Harvey. VEIN Excelsior. Thickness 52 in. Incline. Pick mine. Daily capacity 150 tons. Analysis on file.

FERNDALE COAL CO., THE, Ferndale, operates Ferndale mine at Ferndale. VEIN Barner. Thickness 3 ft. Drift. Pick mine. Daily capacity 80 tons.

FLATWOOD COAL CO., Middlesborough, operates mine at Middlesborough. (Also Southern Ry.) VEIN*. Thickness 38 in. Drift. Pick mine. Daily capacity 50 tons.

HIGNITE COAL MINING CO., THE, Covington, operates Hignite mine at Shamrock. (Also Southern Ry.) VEIN Hignite. Thickness 45 in. Drift. Machine mine. Analysis on file.

HOME COAL CO., Middlesboro, operates Home Coal mine at Middlesboro. (Also Southern Ry.) VEIN Excelsior. Thickness 4 ft. Drift. Pick mine. Daily capacity 20 tons.

KELLY COAL CO., Big Stone Gap, Va., operates mine at Chenoa. VEIN Poplar Lick. Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons.

LEFT FORK COAL CO., Cary, operates mine at Cary. VEIN Straight Creek. Thickness 42 in. Incline. Pick mine. Daily capacity 400 tons. Trade name "Straight Creek."

LUKE & DRUMMOND COAL CO., Inc., Logmont, operates Matthew mine at Logmont. (Also Southern Ry.) VEIN Stray Seam. Thickness 3½ ft. Drift. Machine and Pick mine. Daily capacity 275 tons.

Same Company operates Poplar Lick mine at Logmont. (Also Southern Ry.) VEIN Poplar Lick. Thickness 5 ft. Drift. Pick and Machine mine. Daily capacity 75 tons.

Same Company operates Hignite mine at Logmont. (Also Southern Ry.) VEIN Hignite. Thickness 4 ft. Drift. Machine and Pick mine. Daily capacity 50 tons.

MONARCH COAL & COKE CO., Middlesborough, operates Monarch mines Nos. 1 and 2 at Middlesborough. VEIN Hignite. Thickness 5 ft. Drifts. Pick mines. Daily capacity 500 tons. Trade name "Monarch." Analysis on file.

*NOT REPORTED

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KENTUCKY—Bell County—L. & N. R. R.—(Continued)

MOORE MINES, MARY, Middlesboro,, operates Mary Moore mine at Excelsior. VEIN Excelsior. Thickness 5 ft. Incline. Daily capacity 250 tons. Trade name "Excelsior." Analysis on file.

NEW BELL JELLICO COAL CO., Bell-Jellico, operates Bell-Jellico mine at Bell-Jellico. VEIN Dean. Thickness 7 ft. Drift. Pick mine. Daily capacity 600 tons. Trade name "Dean."

POPLAR HIGNITE COAL & COKE CO., Davisburg, operates Poplar Hignite mine at Davisburg. VEIN Poplar Lick. Thickness 4 ft. Incline. Pick mine. Daily capacity 60 tons.

SAGAMORE COAL CO., Logmont, operates Sagamore mine at Logmont. (Also Southern Ry.) VEIN Poplar Lick. Thickness*. Drift. Daily capacity 500 tons.

STRAIGHT CREEK COAL MINING CO., Cary, operates Moss mines at Cary. VEIN Straight Creek. Slope. Pick mine. Daily capacity 450 tons. Trade name "Moss Straight Creek." Analysis on file.

STRAIGHT CREEK COAL & COKE CO., Pineville, operates Straight Creek mines Nos. 2 and 3 and Harris mine No. 1 at Straight Creek. VEINS Pineville and Harris. Thickness 3 ft. Drift and Incline. Machine and Pick mines. Daily capacity 1000 tons. Trade name "Original Celebrated Straight Creek." Analysis on file.

TURNER COAL CO., Middlesboro, operates Turner mine at Middlesboro. (Also Southern Ry.) VEIN Turner. Thickness*. Drift. Pick mine. Daily capacity 100 tons. Trade name "Turner Steam."

WALLSEND COAL & COKE CO., Wallsend, operates Wallsend mine at Wallsend. Vein Straight Creek. Thickness 32 in. Drift. Machine and Pick mine. Daily capacity 300 tons. Analysis on file.

SOUTHERN RAILWAY.

COLUMBIA COAL CO., Middlesboro, operates Columbia mine at Harlow. (See L. & N. R. R.)

FLATWOOD COAL CO., Middlesborough, operates mine at Middlesborough. (See L. & N. R. R.)

HIGNITE COAL MINING CO., THE, Covington, operates Hignite mine at Shamrock. (See L. & N. R. R.)

HOME COAL CO., Middlesboro, operates Home Coal mine at Middlesborough. (See L. & N. R. R.)

LUKE & DRUMMOND COAL CO., Inc., Logmont, operates Mathew, Hignite and Poplar Lick mines at Logmont. (See L. & N. R. R.)

SAGAMORE COAL CO., Logmont, operates Sagamore mine at Logmont. (See L. & N. R. R.)

TURNER COAL CO., Middlesboro, operates Turner mine at Middlesboro. (See L. & N. R. R.)

*NOT REPORTED

JEFFREY RE-SCREENING PLANTS insure the operators profits by separating his bar screenings into marketable sizes. Write for literature and information. The Jeffrey Manufacturing Company, Columbus, Ohio.

One Goodrich Conveyor Belt Deserves Another

Renewal Orders Come Easily.

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KENTUCKY—Continued)

BOYD COUNTY—County Seat, Catlettsburg.

ASHLAND COAL & IRON RAILWAY.

BIG RUN COAL CO., Winchester, operates Big Run mine at Princess. VEIN Coalton. Thickness 4 to 6 ft. Drift. Machine mine. Daily capacity 600 tons. Analysis on file.

CLERE, F. H., Lessee, Coalton, operates Clere mine No. 1 at Coalton. VEIN No. 7. Thickness 4 ft. Drift. Pick mine. Daily capacity 300 tons.

BUTLER COUNTY—County Seat, Morgantown.

GREEN RIVER.

MORGANTOWN COAL & MINING CO., Morgantown, operates West Aberdeen mine at Aberdeen. VEIN*. Thickness 3½ ft. Drift. Pick mine. Daily capacity 30 tons.

CARTER COUNTY—County Seat, Grayson.

CHESAPEAKE & OHIO RAILWAY.

GEIGERVILLE COAL & FIRE CLAY CO., Ashland, operates Morning Glory mine at Rush. VEIN No. 7. Thickness 5½ ft. Drift. Pick mine. Daily capacity 150 to 250 tons. Trade name "Morning Glory."

STRAIT CREEK COAL CO., Winchester, operates mine at Denton. VEIN No. 7. Thickness 3 ft. Drift. Pick mine. Daily capacity 100 tons.

EASTERN KENTUCKY RAILWAY.

KENTUCKY CANNEL CO., Riverton, operates Boghead mine at Afton. VEIN No. 2 Cannel. Thickness 26 in. Drift. Pick mine. Trade name "OK Boghead."

THAYER, N. ESTATE OF, Riverton, operates Willard mine at Willard. VEIN No. 7. Thickness 4 ft. Drift. Pick mine. Daily capacity 250 tons. Trade name "Willard."

CHRISTIAN COUNTY—County Seat, Hopkinsville

LOUISVILLE & NASHVILLE RAILROAD

EMPIRE COAL & COKE CO., Nashville, Tenn., operates Empire Mine at Empire. VEIN Stray or Lost Vein. Thickness 3½ ft. Shaft. Machine mine. Daily capacity 350 tons. Trade name "Empire." Analysis on file.

TERRY COAL & COKE CO., Hopkinsville, operates mine No. 1 at Mannington. VEIN Empire. Thickness 4 to 5 ft. Slope. Pick mine. Daily capacity 400 tons. Trade name "Terry." Analysis on file.

DAVIESS COUNTY—County Seat, Owensboro

INTERURBAN RAILROAD.

FERN HILLS COAL CO., Owensboro, operates Fern Hills mine at Owensboro. VEIN No. 9. Thickness 5 ft. Shaft. Machine mine. Daily capacity 400 tons.

*NOT REPORTED

Empire Coal & Coke Co.

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KENTUCKY—(Continued)

FLOYD COUNTY—County Seat, Prestonburg.

CHESAPEAKE & OHIO RAILWAY.

BETSY LAYNE COAL CO., Betsy Layne, operates Betsy Layne mine at Betsy Layne. VEIN No. 1. Thickness 4 ft. Drift. Pick mine. Daily capacity 100 tons. (Just developing.)

JEWELL COAL CO., Kilgore, operates Woods mine at Emma. VEIN*. Thickness 4 to 4½ ft. Drift. Pick mine. (Just developing.)

MIDDLE CREEK COAL CO., THE, Prestonburg, operates Middle Creek mine at Prestonburg. VEIN No. 1. Thickness 44 in. Drift. Machine mine. Daily capacity 400 tons. Trade name "Kentucky Cardinal." Analysis on file.

PRESTONBURG COAL CO., INC., Tazewell, Va., operates mine at Prestonburg. VEIN Prestonburg No. 1. Thickness 4½ ft. Drift. Machine mine. Daily capacity 100 tons. (Just developing.) Trade name "Kentucky Cardinal." Analysis on file.

HENDERSON COUNTY—County Seat, Henderson.

GREEN RIVER.

ARCHBOLD, JOHN, COAL CO., Evansville, Ind., operates Bluff City mine at Bluff City. VEIN No. 9. Thickness 4 ft. 2 in. Shaft. Pick mine. Daily capacity 300 tons. Analysis on file.

SMITH MILLS COAL & MINING CO., Smith Mills, operates mine at Smith Mills. VEIN*. Thickness 7 ft. Shaft. Pick mine. Daily capacity 100 tons. Analysis on file.

ILLINOIS CENTRAL RAILROAD.

CORYDON COAL CO., Corydon, operates mine at Corydon. VEIN Stray above Nos. 9 and 11. Thickness 5 ft. 2 in. Shaft. Pick mine. Daily capacity 100 tons. Analysis on file.

PEOPLE'S MINING CO., INC., Henderson, operates mine at Henderson. VEIN No. 9. Thickness 4 ft. Shaft. Pick mine. Daily capacity 300 tons.

LOUISVILLE, HENDERSON & ST. LOUIS RAILWAY

GREEN RIVER COAL CO., Evansville, Ind., operates mine at Spottsville. VEIN No. 9. Thickness 5 ft. Shaft. Machine and pick mine. Daily capacity 1200 tons. Analysis on file.

GREEN RIVER COAL CO., INC., Spottsville, operates mine at Spottsville. VEIN No. 9. Thickness 4 ft. Shaft. Pick mine. Daily capacity 400 tons. Analysis on file.

PITTSBURGH COAL CO., Baskett, operates Baskett mine at Baskett. VEIN No. 9. Thickness 4 ft. Shaft. Machine mine. Daily capacity 350 tons. Trade name "Silkston." Analysis on file.

*NOT REPORTED

JEFFREY COAL WASHING EQUIPMENTS for reduction of ash or sulphur in coal. Bulletin No. 27 contains descriptions *of many interesting* washing installations. The Jeffrey Manufacturing Company, Columbus, Ohio.

GOODRICH CONVEYOR BELTS

The Product of the Largest and Best Equipped Rubber Factory in the World.

THE B. F. GOODRICH CO. AKRON, OHIO

KENTUCKY—(Continued)

HOPKINS COUNTY—County Seat, Madisonville.

ILLINOIS CENTRAL RAILROAD.

CARBONDALE COAL & COKE CO., Dawson Springs, operates Carbondale mine at Carbondale. VEIN No. 9. Thickness 4½ ft. Slope. Machine and pick mine. Daily capacity 500 tons. Trade name "Carbondale."

CRABTREE COAL MINING CO., Ilsley, operates Crabtree mine at Ilsley. VEIN No. 9. Thickness 5 ft. Drift. Machine mine. Daily capacity 1000 tons. Trade name "Crabtree."

NORTONVILLE COAL CO., Nortonville, operates mine No. 1 at Nortonville. VEINS Nos. 9 and 11. Thickness 5 and 6 ft. respectively. Shaft. Machine mine. Daily capacity 1000 tons. Trade name "Nortonville.

ST. BERNARD MINING CO., Earlington operates St. Charles mine No. 9 at St. Charles. VEIN No. 9. Thickness 5 ft. Drift. Machine mine. Daily capacity 1500 tons.

STIRLING COAL & COKE CO., INC., THE, Daniel Boone, operates Daniel Boone mine at Daniel Boone. VEIN No. 11. Thickness 6½ ft. Slope. Machine mine. Daily capacity 650 tons.

LOUISVILLE & NASHVILLE RAILROAD.

KINGTON COAL CO., Morton's Gap, operates mines Nos. 1 and 2 at Morton's Gap. VEIN No. 9. Thickness 5 ft. Slopes. Machine mines. Daily capacity 800 tons. Trade name "Famous Moss-Hill No. 9."

NEBO CONSOLIDATED COAL & COKING CO., Louisville, operates mine at Nebo. VEIN No. 14. Thickness 6½ ft. Slope. Machine mine. Trade name "Nebo No. 14." Analysis on file.

NORTONVILLE COAL CO., Nortonville, operates mine No. 2 at Nortonville. VEIN No. 11. Thickness 6 ft. 2 in. Slope. Machine mine. Daily capacity 800 tons. Trade name "Nortonville."

REINECKE COAL MINING CO., THE, Madisonville, operates Eureka mines at Madisonville. VEIN No. 11. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1500 tons. Trade name "Eureka." Analysis on file.

ROSE CREEK COAL CO., Nebo, operates Rose Creek mine at Nebo. VEIN No. 9. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 1000 tons. Trade name "Rose Creek." Analysis on file.

ST. BERNARD MINING CO., Earlington, operates Hecla No. 9, Arnold No. 9, Earlington No. 9 and Barnsley mines at Earlington. VEIN No. 9. Thickness 4 ft. 10 in. Drifts. Machine mines. Daily capacity 2650 tons.
Same Company operates Diamond mine No. 9 at Morton's Gap. VEIN No. 9. Thickness 5 ft. Drift. Machine mine. Daily capacity 800 tons.
Same Company operates Arnold and Earlington mines No. 11 at Earlington. VEIN No. 11. Thickness 6½ to 7 ft. Drifts. Machine mines. Daily capacity 1800 tons.

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KENTUCKY—Hopkins County—L. & N. R. R.—(Continued)

VICTORIA COAL CO., Madisonville, operates Victoria mine at Madisonville. VEIN No. 9. Thickness 5 ft. Shaft. Machine mine. Daily capacity 750 tons. Analysis on file.

JOHNSON COUNTY—County Seat, Paintsville.
CHESAPEAKE & OHIO RAILWAY.

MEEK COAL CO., Paintsville, operates Meek's mine at Meek. VEIN No. 1. Thickness 3 ft. Drift. Machine mine. Daily capacity 150 tons.

NORTH-EAST COAL CO., Wilkes-Barre, Pa., operates mines Nos. 1, 2 and 3 at Paintsville. VEIN No. 1. Thickness 3 to 4 ft. Drifts. Machine mines. Trade name "Yellow Jacket." Analysis of mine No. 1 on file.

SANDY RIVER COAL CO., Chicago, Ill., operates Sandy River mine at Lower Greasy. VEIN Cannel. Thickness 5 ft. Drift. Pick mine. Daily capacity 250 tons. Trade name "Hiawatha Bituminous," and "Chattaroi Cannel Coal."

TIBBALS COAL CO., Lower Greasy, operates Tibbals mine at Lower Greasy. VEIN No. 1. Thickness 4 ft. Slope. Machine mine. Daily capacity 350 tons. Trade name "Kentucky Gem." Analysis on file.

KNOX COUNTY—County Seat, Barboursville.
CUMBERLAND RAILROAD.

INTERSTATE COAL CO., Johnson City, Tenn., operates Trosper mine No. 1 at Trosper. VEIN Dean. Thickness 5 ft. Drift. Machine mine. Daily capacity 250 tons.
Same Company operates Bays mine No. 2 at Warren. VEIN Dean. Thickness 4½ ft. Drift. Machine mine. Daily capacity 150 tons.
Same Company operates Warren or Cumberland mines Nos. 3 and 4 at Warren. VEIN Dean. Thickness 6 ft. Drift. Machine mine. Daily capacity 800 tons.

POWER COAL CO., Trosper, operates Power mine at Trosper. VEIN Dean. Thickness 6 ft. Incline. Machine and pick mine. Daily capacity 80 tons. Trade name "Power."

TROSPER COAL CO., THE, Trosper, operates Bennett mine No. 1 at Trosper. VEIN Dean. Thickness 6 ft. Incline. Machine mine. Daily capacity 400 tons. Trade name "Bennett Jellico." Analysis on file.

LOUISVILLE & NASHVILLE RAILROAD.

CHARLTON JELLICO COAL CO., Grays, operates Charlton mine at Charlton. VEIN Jellico. Thickness 3 ft. Drift. Pick mine. Daily capacity 120 tons.

COALPORT COAL CO., Coalport, operates mine at Coalport. VEIN Dean. Thickness 5 to 6 ft. Incline. Pick mine. Daily capacity 75 tons.

GRAY COAL CO., Grays, operates Possum Trot mine at Grays. VEIN Jellico. Thickness 4 ft. Drift. Pick mine. Daily capacity 150 tons.

HUGHES JELLICO COAL CO., Elys, operates Hughes mine at Elys. VEIN Jellico. Thickness 4 ft. Drift. Machine and pick mine. Daily capacity 400 tons.

JEFFREY CRUSHERS AND PULVERIZERS for reducing Coal and Coke are the best on the market. Bulletin No. 31 *explains reasons why.* Send for copy. The Jeffrey Manufacturing Company, Columbus, Ohio.

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KENTUCKY—Knox County—L. & N. R. R.—(Continued)

NORTH JELLICO COAL CO., INC., THE, Louisville, operates Wilton mine at Wilton and Bertha mine at Bertha. VEIN Jellico. Thickness 44 in. Drifts. Machine mines. Daily capacity 1500 tons. Analyses on file.

NORTH POINT JELLICO COAL CO., Gray, operates mine at Gray. VEIN Jellico. Thickness 4 ft. Drift. Pick mine. Daily capacity 90 tons.

PARKER-GRAY COAL CO., Gray, operates Lynndale mine at Gray. VEIN South Fork Rock and Jellico. Thickness 5 and 4 ft. respectively. Drift and Incline. Pick mine. Daily capacity 200 tons. Trade name "Jellico."

LAUREL COUNTY—County Seat, London.

LOUISVILLE & NASHVILLE RAILROAD.

LILY JELLICO COAL CO., Lily, operates mine at Lily. VEIN Lily. Thickness 42 in. Drift. Machine mine. Daily capacity 500 tons. Trade name "Lily." Analysis on file.

Same Company operates mine at Lily. VEIN Lily. Thickness 46 in. Stripping Operation. Steam Shovel. Daily capacity 1000 tons. Trade name "Lily." Analysis on file.

NEW LAUREL COAL CO., Pittsburg, operates New Laurel mine at Pittsburgh. VEIN Cumberland. Thickness 3 to 3½ ft. Incline. Pick mine. Daily capacity 300 tons.

PHOENIX JELLICO COAL CO., Cincinnati, Ohio, operates New Diamond mine at Altamont. VEIN No. 9. Thickness*. Drift. Machine and pick mine. Daily capacity 650 tons. Trade name "New Diamond." Analysis on file.

PITTSBURG COAL CO., Pittsburg, operates Pittsburg mine at Pittsburg. VEIN Laurel. Thickness 3 ft. Slope. Machine and pick mine. Daily capacity 250 tons. Trade name "Peacock."

LAWRENCE COUNTY—County Seat, Louisa.

CHESAPEAKE & OHIO RAILWAY.

CRYSTAL BLOCK COAL CO., Louisa, operates mine at Rock Branch. VEIN No. 4. Thickness 5 ft. Drift. Pick mine. Daily capacity 75 tons. Analysis on file.

LOUISA COAL CO., THE, Mt. Vernon, Ohio, operates 2 mines at Torchlight. VEINS Splint and Gas. Thickness 4 ft. and 5 to 6 ft. respectively. Inclines Machine mines. Daily capacity 300 tons.

PEACH ORCHARD COAL CO., THE, Peach Orchard, operates Minnie and Anna mines at Peach Orchard. VEIN Peach Orchard. Thickness 5 ft. Drifts. Machine and pick mines. Daily capacity 150 tons. Trade name "Peach Orchard." Analysis on file.

*NOT REPORTED

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KENTUCKY—(Continued)

LEE COUNTY—County Seat, Beattyville.

LOUISVILLE & ATLANTIC RAILROAD.

BIG HILL COAL CO., Richland, operates Idamay mine at Idamay. VEIN Beattyville. Thickness 3½ ft. Drift. Machine and pick mine. Daily capacity 500 tons.

LOUISVILLE & NASHVILLE RAILROAD.

RICHARDSON COAL CO., Beattyville, operates Richardson mine at Beattyville. VEIN*. Thickness 3 ft. Incline. Pick mine.

MORGAN COUNTY—County Seat, West Liberty.

MOREHEAD & NORTH FORK RAILROAD.

LEE COAL CO., THE, Clearfield, operates mine No. 1 at Redwine. VEIN Cannel. Thickness 43 in. Drift. Pick mine. Daily capacity 50 tons.

NORTH FORK CANNEL COAL CO., Loveland, operates mines Nos. 1 and 2 at Loveland. VEIN Cannel No. 2. Thickness 35 to 45 in. Drift. Pick mine. (Just developing.) Trade name "Brite-Lite."

OHIO & KENTUCKY RAILWAY.

GISH CANNEL COAL CO., Central City, operates White Oak mine at Caney. VEIN Cannel. Thickness 32 in. Drift. Pick mine. Analysis on file.

KENTUCKY BLOCK CANNEL COAL CO., New York, N. Y., operates mine at Cannel City. VEIN*. Thickness 32 in. Drift. Pick mine. Daily capacity 50 tons. Trade name "Brilliant Gas Enricher." Analysis on file.
Same Company operates mine at Cannel City. VEIN*. Thickness 24 to 28 in. Drift. Machine mine. Daily capacity 300 tons. Trade name "Pluto Cannel." Analysis on file.

MUHLENBURG COUNTY—County Seat, Greenville.

ILLINOIS CENTRAL RAILROAD.

CENTRAL COAL & IRON CO., INC., Central City, operates Central mine at Central City. (Also L. & N. R. R.) VEIN No. 9. Thickness 5 ft. Shaft. Pick mine. Daily capacity 1200 tons.

GIBRALTAR COAL MINING CO., Memphis, Tenn., operates Gibraltar mine at Mercer. VEIN No. 9. Thickness 5 ft. 2 in. Shaft. Machine mine. Daily capacity 750 tons. Trade name "Gibraltar." Analysis on file.

GREENVILLE COAL CO., Powderly, operates Powderly mine at Powderly. VEIN No. 9. Thickness 5 ft. Slope. Machine mine. Daily capacity 800 to 1000 tons. Analysis on file.

HILLSIDE COAL CO., Greenville, operates Hillside and Oakland mines at Hillside. VEIN No. 9. Thickness 5 ft. Shafts. Machine mines. Daily capacity 800 tons.

*NOT REPORTED

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KENTUCKY—Muhlenburg County—I. C. R. R.—(Continued)

MORGAN COAL, COKE & MINING CO., THE R., Mercer, operates Morgan mine No. 1 at Mercer. VEIN No. 9. Thickness 4 ft. 8 in. Shaft. Pick mine. Daily capacity 500 tons. Trade name "Cypress Creek."

NELSON CREEK COAL CO., INC., Nelson, operates Nelson mine at Nelson. VEIN No. 9. Thickness 5 ft. Shaft. Machine mine. Daily capacity 1000 tons.

LOUISVILLE & NASHVILLE RAILROAD.

BEECH CREEK COAL CO., Beech Creek, operates mine No. 9 at Beech Creek. VEIN No. 9. Thickness average 5 ft. Shaft. Machine mine. Daily capacity 500 tons. Analysis on file.
Same Company operates mine No. 11 at Beech Creek. VEIN No. 11. Thickness 8 ft. Drift. Machine mine. Daily capacity 400 tons. Analysis on file.

BEVIER COAL CO., Cleaton, operates Bevier mine at Cleaton. VEIN Western Kentucky No. 9. Thickness 5 ft. 3 in. Shaft. Machine mine. Daily capacity 850 tons

BLACK DIAMOND MINING CO., Drakesboro, operates Pierce mine at Drakesboro. VEIN No. 9. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 600 tons. Trade name "Black Diamond."

CENTRAL COAL & IRON CO., INC., Central City, operates Central mine at Central City. (See I. C. R. R.)

CRESCENT COAL CO., Bevier, operates Crescent mine at Bevier. VEIN No. 9. Thickness 5 ft. 3 in. Shaft. Machine mine. Daily capacity 1200 tons. Trade name "Crescent."

HOLT COAL CO., THE, Central City, operates Holt mine at Cleaton. VEIN No. 9. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1000 tons. Trade name "Holt."

LAM COAL CO., Bevier, operates Lam mine at Bevier. VEIN No. 9. Thickness 5 ft. Drift. Machine mine. Daily capacity 900 tons. Trade name "Lam."

MOODY COAL CO., So. Carrollton, operates Moody mine at So. Carrollton. VEIN No. 9. Thickness 4 ft. 7 in. Shaft. Pick mine. Daily capacity 500 tons.

SUNRISE COAL CO., Dayton, Ohio, operates Sunrise mine at Drakesboro. VEIN No. 11. Thickness 7 ft. Drift. Machine mine. Daily capacity 300 tons. Trade name "Sunrise." Analysis on file.

McLEAN COUNTY—County Seat, Calhoun.

LOUISVILLE & NASHVILLE RAILROAD.

CONSOLIDATED COAL CO., Central City, operates Karnes mine at Island. VEIN No. 15. Thickness 52 in. Drift. Pick mine. Analysis on file.

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KENTUCKY—McLean County—L. & N. R. R.—(Continued)

GREEN RIVER COAL & COKE CO., Island, operates Green river mine at Island. VEIN No. 9. Thickness 4 ft. 8 in. Shaft. Pick mine. Daily capacity 800 tons.

MEMPHIS MINING CO., Charleston, W. Va., operates Halstead mine at Island. VEIN No. 9. Thickness 4½ ft. Slope. Pick mine. Daily capacity 350 tons. Analysis on file.

OHIO COUNTY—County Seat, Hartford.
ILLINOIS CENTRAL RAILROAD.

BROADWAY COAL MINING CO., Memphis, Tenn., operates Broadway mine at Simmons. VEIN No. 9. Thickness 4 ft. 10 in. Shaft. Machine mine. Daily capacity 1100 tons. Trade name "Lewis Creek."

CENTRAL COAL & IRON CO., INC., Central City, operates Render mine at Render. VEIN No. 9. Thickness 5 ft. Drift. Machine mine. Daily capacity 700 tons.

McHENRY COAL CO., INC., Central City, operates McHenry mine at McHenry. VEIN No. 9. Thickness 5 ft. Slope. Machine mine. Daily capacity 700 tons.

Same Company operates Echols mine at Echols. VEIN No. 9. Thickness 5 ft. Shaft. Machine mine. Daily capacity 600 tons.

ROCKPORT COAL CO., INC., Rockport, operates Crown mine at Rockport. VEIN No. 9. Thickness 4½ to 5½ ft. Shaft. Machine mine. (Just developing.) Trade name "Crown Coal."

TAYLOR COAL CO. OF KENTUCKY, INC., Louisville, operates Taylor mine at Taylor Mines. VEIN No. 9. Thickness 4 ft. 8 in. to 5 ft. Shaft. Machine mine. Daily capacity 1200 tons.

WILLIAMS COAL CO. INC., Louisville, operates Williams mine at McHenry. VEIN No. 9. Thickness 4 ft. to 4 ft. 8 in. Shaft. Machine mine. Daily capacity 1000 tons.

PIKE COUNTY—County Seat, Pikeville.
CHESAPEAKE & OHIO RAILWAY.

BIG BRANCH COAL CO., Lookout, operates Big Branch mine at Lookout. VEIN Upper Elkhorn. Thickness average 4 ft. Drift. Machine mine. Daily capacity 200 tons. Trade name "Kentucky Smokeless." Analysis on file.

ELKHORN CONSOLIDATED COAL & COKE CO., Hellier, operates mine at Hellier. VEIN Upper Elkhorn. Thickness 4 ft. Drift and Incline. Machine mine. Daily capacity 200 tons. Analysis on file.

GREENOUGH COAL & COKE CO., Shamokin, Pa., operates Greenough mine at Hellier. VEIN Upper Elkhorn. Thickness 4 ft. Drift. Machine mine. Daily capacity 300 tons. Trade name "Greenough."

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KENTUCKY—Pike County—C. & O. Ry.—(Continued)

HENRY CLAY COAL & COKE CO., Lookout, operates Henry Clay mine at Lookout. VEINS Upper and Lower Elkhorn. Thickness 4 ft. Drift and Incline. Pick mine. Daily capacity 250 tons. Analysis on file.

KEWANEE COAL CO., Kewanee, operates Kewanee mine at Kewanee. VEINS Upper and Lower Elkhorn. Thickness 5 and 3½ ft. respectively. Drift. Pick mine. Daily capacity 50 tons. Analysis on file.

LOWE COAL CO., Mossy Bottom, operates Hamlak mine at Hamlak. VEIN*. Thickness 4 ft. Pick mine. Daily capacity 25 tons.

MARROWBONE COAL & COKE CO., Lookout, operates Marrowbone mine at Lookout. VEINS Upper and Lower Elkhorn. Thickness 4 ft. Incline. Pick mine. Daily capacity 300 tons.

PIKE CONSOLIDATED COAL CO., Boston, Mass., operates mine at Hellier. VEIN Elkhorn No. 2. Thickness 4 ft. Drift. Machine mine. Daily capacity 400 tons. Analysis on file.

SHELBYANA COAL & COKE CO., Giatto, W. Va., operates Shelbyana mine at Shelbyana. VEIN No. 1. Thickness 5 ft. Drift and Incline. Pick mine. Daily capacity 50 tons.

NORFOLK & WESTERN RAILWAY.

BURNWELL COAL & COKE CO., Pottsville, Pa. (See W. Va. Data.)

FREEBURN COAL & COKE CO., Edgarton, operates Freeburn and Thacker mines at Freeburn. VEINS Freeburn and Thacker. Thickness average 5 ft. 10 in. Drifts. Machine mines. Daily capacity 900 tons. Trade names "Freeburn" and "Thacker." Analyses on file.

MAJESTIC COLLIERIES CO., Vivian, W. Va., operates Majestic mines Nos. 1, 2 and 3 at Majestic. VEIN Banner. Thickness 7 ft. Drift. Machine mine. Daily capacity 300 tons. Trade name "Majestic Semi Bituminous." Analysis on file.

VULCAN COAL CO., Vulcan, W. Va. (See W. Va. Data.)

PULASKI COUNTY—County Seat, Somerset.

CINCINNATI, NEW ORLEANS & TEXAS PACIFIC RAILROAD

ALPINE COAL CO., THE, Chattanooga, Tenn., operates Alpine mine at Alpine. VEIN No. 2. Thickness 34 in. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

CLINCH COAL & COKE CO., Flat Rock, operates Cogar mine at Wiborg. VEIN No. 1. Thickness 46 in. Drift. Pick mine. Daily capacity 180 tons.

EAGLE COAL CO., THE, Barren Fork, operates Barren Fork mine at Barren Fork. VEIN Barren Fork. Thickness 3 ft. Drift. Pick mine. Daily capacity 400 tons. Trade name "Barren Fork."

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JEFFREY COAL CUTTERS, operated electrically or by compressed air, are fully illustrated and described in Bulletins *Nos. 18 and 18A.* The Jeffrey Manufacturing Company, *Columbus, Ohio.*

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KENTUCKY—(Continued)

UNION COUNTY—County Seat, Morganfield.

ILLINOIS CENTRAL RAILROAD.

ALABAMA-KENTUCKY COAL CO., Sturgis, operates Davis mine at Sturgis. VEIN No. 5. Thickness 4 ft. Slope. Machine mine. Daily capacity 350 tons. Analysis on file.

BELL-UNION COAL & COKE CO., Curlew, operates Curlew mine at Curlew. VEIN No. 9. Thickness 5 ft. Slope. Machine mine. Daily capacity 400 tons. Analysis on file.

MORGANFIELD COAL & MINING CO., Morganfield, operates mine at Morganfield. VEIN No. 11. Thickness 4½ to 5 ft. Shaft. Pick mine. Daily capacity 300 tons. Analysis on file.

OHIO VALLEY COAL & MINING CO., De Koven, operates mine No. 9 at De Koven. VEIN No. 9. Thickness 4 ft. 8 in. Slope. Machine mine. Daily capacity 1000 tons.

RIVER & RAIL COAL & COKE CO., Morganfield, operates mine at Morganfield. VEIN No. 11. Thickness 5 ft. Shaft. Machine mine. Daily capacity 500 tons. Trade name "Kentucky Colonel."

SULLIVAN COAL CO., THE, Frostburg, Md., operates Sullivan mine at Sullivan. VEIN No. 6. Thickness 4 ft. Drift. Machine and pick mine. Daily capacity 200 tons. Analysis on file.

THOMAS COAL CO., THE, Morganfield, operates Thomas mine at Morganfield. (Also L. & N. R. R.) VEIN No. 11. Thickness 5 ft. Shaft. Machine and Pick mine. Daily capacity 300 tons. Analysis on file.

WEST KENTUCKY COAL CO., Sturgis, operates mines Nos. 1 and 2 at Sturgis. VEIN No. 9. Thickness 5 ft. Slope and Shaft respectively. Machine mines. Daily capacity 1400 tons. Trade name "Tradewater." Also have tipple on Ohio and Tradewater Rivers.

LOUISVILLE & NASHVILLE RAILROAD.

THOMAS COAL CO., THE, Morganfield, operates Thomas mine at Morganfield. (See I. C. R. R.)

WAYNE COUNTY—County Seat, Monticello.

KENTUCKY & TENNESSEE RAILWAY.

STEARNS COAL CO., LTD., THE, Stearns, operates mine No. 10 at Yamacraw. VEIN No. 1. Thickness 5 ft. Drift. Pick mine. Daily capacity 100 tons. Trade name "Stearns No. 4." Analysis on file.

WEBSTER COUNTY—County Seat, Dixon.

ILLINOIS CENTRAL RAILROAD.

FAIRMONT COAL MINING CO., Providence, operates Fairmont mine at Providence. VEIN No. 9. Thickness 4 ft. 8 in. Slope. Pick mine. Daily capacity 200 tons. Trade name "Aburna." Analysis on file.

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KENTUCKY—Webster County—I. C. R. R.—(Continued)

LUTON COAL CO., Providence, operates Luton's mine at Providence. VEIN No. 9. Thickness 4 ft. 11 in. Slope. Pick mine. Daily capacity 200 tons.

PROVIDENCE MINING CO., Providence, operates Slope No. 1 at Providence. (Also L. & N. R. R.) VEIN No. 9. Thickness 5 ft. Drift. Machine mine. Daily capacity 600 tons. Analysis on file.

Same Company operates Shafts Nos. 2 and 3 at Providence. (Also L. & N. R. R.) VEIN No. 9. Thickness 5 ft. Shafts. Machine and Pick mines. Daily capacity 1300 tons. Analysis on file.

WEBSTER COUNTY COAL CO., Providence, operates mine at Providence. (Also L. & N. R. R.) VEIN No. 11. Thickness 6 ft. Shaft. Pick mine. Daily capacity 600 tons.

WEST KENTUCKY COAL CO., Sturgis, operates mine No. 7 at Brydon. VEIN No. 1. Thickness 7½ ft. Shaft. Machine mine. Daily capacity 2500 tons. Also have tipple on Ohio and Tradewater Rivers.

Same Company operates mine No. 6 at Brydon. VEIN No. 9. Thickness 5 ft. Shaft. Daily capacity 700 tons. Also have tipple on Ohio and Tradewater Rivers.

Same Company operates mines Nos. 3 and 4 at Brydon. VEIN No. 11. Thickness 6½ ft. Drifts. Machine mines. Daily capacity 1100 tons. Also have tipple on Ohio and Tradewater Rivers.

Same Company operates mine No. 5 at Brydon. VEIN No. 11. Thickness 7 ft. Shaft. Machine mine. Daily capacity 600 tons. Also have tipple on Ohio and Tradewater Rivers.

WILLIAMS & PATTERSON, Wheatcroft, operate Logo mine at Wheatcroft. VEIN No. 11. Thickness 5 ft. Slope. Pick mine. Daily capacity 175 tons.

LOUISVILLE & NASHVILLE RAILROAD.

BLACKWELL, THOS. COAL & MINING CO., Clay, operates mine at Clay. VEIN No. 9. Thickness 4 ft. 8 in. Shaft. Machine and Pick mine. Daily capacity 350 tons. Trade name "Celebrated Crab Orchard."

DIAMOND COAL CO., Providence, operates Diamond mine at Providence. VEIN No. 9. Thickness 4 ft. 10 in. Incline. Pick mine. Daily capacity 300 tons. Analysis on file.

PROVIDENCE MINING CO., Providence, operates Slope No. 1 and Shafts Nos. 2 and 3 at Providence. (See I. C. R. R.)

ST. BERNARD MINING CO., Earlington, operates Shamrock mine No. 11 at Providence. VEIN No. 11. Thickness 6½ ft. Shaft. Machine mine. Daily Capacity 700 tons.

SEBREE COAL & MINING CO., Sebree, operates Sebree mine at Sebree. VEIN No. 9. Thickness 4½ to 4 ft. 10 in. Shaft. Pick mine. Daily capacity 500 tons. Trade name "Sterling." Analysis on file.

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KENTUCKY—Webster County—L. & N. R. R.—(Continued)

WEBSTER COUNTY COAL CO., Providence, operates mine at Providence. (See I. C. R. R.)

WHITLEY COUNTY—County Seat, Williamsburg.

CINCINNATI, NEW ORLEANS & TEXAS PACIFIC RAILROAD.

WEST JELLICO COAL CO., Silverville, operates West Jellico mine at Silverville. VEIN No. 4. Thickness 30 in. Drift. Pick mine. Daily capacity 250 tons. Trade name "West Jellico."

KENTUCKY & TENNESSEE RAILWAY.

STEARNS COAL CO. LTD., THE, Stearns, operates mines Nos. 1 and 2 at Barthell. VEIN No. 2. Thickness 4 ft. Drifts. Pick mines. Daily capacity 700 tons. Trade name "Stearns No. 1." Analyses on file.
Same Company operates mine No. 3 at Worley. VEIN No. 1. Thickness 5 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Stearns No. 3." Analysis on file.
Same Company operates mine No. 4 at Worley. VEIN No. 1. Thickness 5 ft. Machine mine. Daily capacity 500 tons. Trade name "Stearns No. 4." Analysis on file.

LOUISVILLE & NASHVILLE RAILROAD.

BURK HOLLOW COAL CO., THE, Jellico, operates Burk Hollow Blue Gem mine at Jellico. VEIN Jellico Blue Gem. Thickness 20 to 32 in. Drift. Pick mine. Daily capacity 150 tons. Trade name "Blue Gem."

CAMPBELL COAL MINING CO., Atlanta, Ga., operates Banner mines at Coalmont or Williamsburg. VEIN Jellico. Thickness 4 ft. Machine mine. Daily capacity 350 tons. Trade name "Banner." Analysis on file.

COOKE JELLICO COAL CO., Jellico, operates Cooke Jellico mine at Myrlin. VEIN Jellico. Thickness 3½ ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Cooke's Red Ash." Analysis on file.

DOWLAIS BLUE GEM COAL CO., Jellico, Tenn., operates Dowlais mine near Jellico, Tenn. VEIN Blue Gem. Thickness 2 ft. Drift. Pick mine. Daily capacity 100 tons.

ELITE COAL CO., Jellico, operates Elite mine at Elite. VEIN Jellico. Thickness 3 ft. Incline. Pick mine. Daily capacity 150 tons.

FRENCH COAL CO., Halsey, operates mine at Halsey. VEIN Jellico. Thickness 34 to 38 in. Drift. Pick mine. Daily capacity 80 tons. Analysis on file.

GATLIFF COAL CO., Gatliff, operates Gatliff mines Nos. 1 and 2 at Gatliff. VEIN Jellico. Thickness 46 to 48 in. Drifts. Machine mines. Daily capacity 1000 tons. Trade name "Dixie Gem."

JEFFREY ELECTRIC ROTARY DRILL for Coal, Shale, Slate, Clay, etc. Bulletin No. 16 illustrates and describes *Drills in operation.* Send for it. The Jeffrey Manufacturing *Company, Columbus, Ohio.*

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KENTUCKY—Whitley County—L. & N. R. R.—(Continued)

HALSEY RED ASH COAL CO., Halsey, operates Vanderpool mine at Halsey. VEIN*. Thickness 30 in. Drift. Machine mine. Daily capacity 500 tons. Analysis on file.
Same Company operates Anderson mine at Halsey. VEIN Jellico. Thickness 34 in. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

IMPERIAL JELLICO COAL CO., Rockhold, operates mine at Rockhold. VEIN Jellico. Thickness 40 in. Drift. Machine mine. Daily capacity 250 tons. Trade name "Imperial."

JELLICO COAL MINING CO., Knoxville, Tenn., operates Mountain Ash mine at Mountain Ash. VEIN Jellico. Thickness 3½ ft. Drift. Machine mine. Daily capacity 500 tons. Trade name "Mountain Ash." Analysis on file.

MAHAN JELLICO COAL CO., Packard, operates mine at Packard. VEIN Jellico. Thickness 42 in. Drift. Machine mine. Daily capacity 600 tons. Trade name "Dixie Gem."

MAIN JELLICO MOUNTAIN COAL CO., Central City, operates Kensee mines at Kensee. VEIN Jellico. Thickness 39 in. Drift and Incline. Pick mines. Daily capacity 400 tons. Trade name "Kensee."

PLEASANT VIEW JELLICO COAL CO., Pleasant View, operates Croley mine at Pleasant View. VEINS Jellico and Blue Gem. Thickness 38 and 20 to 25 in. respectively. Drift. Pick mine. Daily capacity 150 tons. Trade names "Jellico" and "Blue Gem."

PROCTOR COAL CO., THE, Red Ash, operates Proctor mines at Red Ash (Also Southern Ry.) VEIN Jellico. Thickness 3½ ft. Drift. Pick mine. Daily capacity 800 tons. Trade name "Red Ash, Blue Gem, Jellico." Analysis on file.

WATTS CREEK JELLICO COAL CO., Wofford, operates Watts Creek Jellico mine at Wofford. VEIN Jellico. Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons.

SOUTHERN RAILWAY.

PROCTOR COAL CO., THE, Red Ash, operates Proctor mines at Red Ash (See L. & N. R. R.)

* NOT REPORTED

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The Jeffrey Manufacturing Company

Columbus, Ohio

MARYLAND

Index of Veins, showing Counties in which they are found.

Vein	County
Bakertown	Allegany—Garrett
Barton	Allegany
Barton Four Foot	Allegany
Big Vein (Pittsburg)	Allegany
Bluebaugh	Allegany
Davis	Allegany
Four Foot	Garrett
Georges Creek Big Vein	Allegany
Georges Creek Tyson	Allegany
Kittanning	Allegany—Garrett
Lower Kittanning	Garrett
Lower Sewickley (Tyson)	Allegany
Miller	Allegany
Parker	Allegany
Pittsburg (Big Vein)	Allegany
Six Foot	Garrett
Thomas	Allegany
Tyson (Lower Sewickley)	Allegany

Cumberland Basin Coal Company
Miners and Shippers of CUMBERLAND COAL
Real Estate Trust Building PHILADELPHIA, PA.

MARYLAND

ALLEGANY COUNTY—County Seat, Cumberland.

CUMBERLAND & PENNSYLVANIA RAILROAD.

AMERICAN COAL CO. of ALLEGANY COUNTY, New York, N. Y., operates the Caledonia mine at Barton. VEIN Tyson. Thickness 5½ to 6 ft. Drift. Pick mine. Daily capacity 250 tons.

AVERY & MORGAN, Frostburg, operates Trotters Run mine at Barrelville. VEINS Parker and Bluebaugh. Thickness 2 ft. and 5 ft. respectively. Drift. Pick mine. Just developing. Analysis on file.

CHAPMAN COAL MINING CO., Baltimore, operates Swanton mines at Barton. VEIN Big Vein. Thickness 12 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Georges Creek Big Vein." Analysis on file.

CONSOLIDATION COAL CO., Inc., THE, Baltimore, operates Consolidation mine No. 1 at Ocean, No. 3 at Hoffman, No. 7 at Lord, and No. 8 at Midland. VEIN Big Vein or Pittsburgh. Thickness 7½ to 9½ ft. Drifts and Slopes. Machine and Pick mines. Daily capacity 7800 tons. Trade name "Georges Creek Big Vein Cumberland." Analysis on file.

Same Company operates Consolidation mine No. 2 at Carlos Junction. VEIN Tyson or Lower Sewickley. Thickness 2 to 3 ft. Drift. Pick mine. Daily capacity 150 tons. Analysis on file.

Same Company operates Consolidation mine No. 4 at Eckhart. VEIN Big Vein or Pittsburgh. Thickness 6½ to 8½ ft. Slope. Pick mine. Daily capacity 300 tons. Trade name "Georges Creek Big Vein Cumberland."

Same Company operates Consolidation mine No. 5 at Midland, No. 6 at Lord, No. 9 at Frostburg, No. 10 at Eckhart, and No. 11 at Hoffman. VEIN Tyson or Sewickley. Thickness 2 to 3½ ft. Drifts, Shafts and Slope. Daily capacity 1500 tons. Analysis on file.

CUMBERLAND BASIN COAL CO., Philadelphia, Pa., operates Parker, Cook and Bond mines at Barrelville. VEINS Parker, Big Vein Georges Creek, and Bluebaugh respectively. Drifts. Machine mines. Daily capacity 2500 tons. Trade names "Parker," "Cook," and "Bond." Analysis of Parker Vein on file.

GEORGES CREEK BASIN COAL CO., New York, N. Y., operates Short Gap mine at Frostburg. VEIN Thomas. Thickness 4½ ft. Drift. Machine and Pick mine. Daily capacity 400 tons. Analysis on file.

GEORGES CREEK COAL & IRON CO., Baltimore, operates mines Nos. 1, 12, 13 and 14 at Lonaconing. (Also Georges Creek & Cumberland R. R.) VEIN Pittsburgh. Thickness 10 ft. Drifts. Pick mines. Daily capacity 900 tons. Trade name "Georges Creek Big Vein." Analysis on file.

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FROSTBURG, MARYLAND

MARYLAND—Allegany County—C. & P. R. R.—(Continued)

HITCHENS COAL CO., THE H. & W. A., Frostburg, operates Borden mine at Borden Yard. VEIN Pittsburgh. Thickness 9 to 14 ft. Drift. Pick mine. Daily capacity 250 tons. Trade name "Big Vein." Analysis on file.

MIDLAND MINING CO., Cumberland, operates Trimble mine at Mt. Savage. VEIN Pittsburgh. Thickness 5 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Trimble."
Same Company operates Enterprise mine at Midland. VEIN Big Vein Georges Creek. Thickness 14 ft. Slope. Pick mine. Daily capacity 350 tons.

MOSCOW & GEORGES CREEK MINING CO., Cumberland, operates Moscow mine No. 2 at Moscow. VEIN Bakertown. Thickness 4 ft. Drift. Pick mine. Daily capacity 500 tons.
Same Company operates Moscow mine No. 3 at Moscow. VEIN Georges Creek Big Vein. Thickness 14 ft. Drift. Pick mine. Daily capacity 200 tons.

PHOENIX & GEORGES CREEK MINING CO., Philadelphia, Pa., operates Phoenix and Elkhart mines at Phoenix. VEINS Pittsburgh Big Vein and Barton. Thickness 14 and 4 ft. respectively. Drifts. Pick mines. Daily capacity 450 tons. Trade names "Phoenix" and "Elkhart."

PIEDMONT MINING CO., Baltimore, operates Pekin mine at Pekin. VEIN Pittsburgh Big Vein. Thickness 14 ft. Drift. Pick mine. Daily capacity 250 tons. Trade name "Big Vein Georges Creek." Analysis on file.

PIEDMONT & GEORGES CREEK COAL CO., THE, Frostburg, operates Washington mine No. 1 at Eckhart. VEIN Pittsburg. Thickness 9 to 14 ft. Drift. Pick mine. Daily capacity 250 tons. Trade name "Big Vein." Analysis on file.
Same Company operates Washington mine No. 2 at Eckhart. VEIN Georges Creek Tyson. Thickness 3½ ft. Drift. Pick mine. Daily capacity 700 tons. Trade name "Tyson." Analysis on file.
Same Company operates Washington mines Nos. 3 and 4 at Franklin. VEIN Kittanning. Thickness 6 ft. Drifts. Pick mines. Daily capacity 400 tons. Trade name "Six Foot." Analysis on file.
Same Company operates Washington mine No. 5 at Franklin. VEIN Bakertown or Barton. Thickness 4 ft. Drift. Pick mine. Daily capacity 250 tons. Trade name "Four Foot." Analysis on file.

POTOMAC COAL CO., Baltimore, operates Potomac mine at Barton. VEIN Barton Four Foot. Thickness 32 in. Drift. Pick mine. Daily capacity 200 tons.

SULLIVAN BROS. COAL CO., Eckhart, operates mine at Eckhart. VEIN Pittsburgh. Thickness 8 ft. Slope. Pick mine. Daily capacity 25 tons.

GEORGES CREEK & CUMBERLAND RAILROAD.

GEORGES CREEK COAL & IRON CO., Baltimore, operates mines Nos. 1, 12, 13 and 14 at Lonaconing. (See Cumberland & Pennsylvania R. R.)

JEFFREY CAR HAULS, either Wire Cable or Chain are the most durable and efficient method for the continuous haulage of Mine cars. Send for Bulletin No. 21. The Jeffrey *Manufacturing* Company, Columbus, Ohio.

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MARYLAND—Allegany County—G. C. & C. R. R.—(Continued)

NEW CENTRAL COAL CO., New York, N. Y., operates Koontz and Big Vein mines at Lonaconing. VEIN Big Vein. Thickness 10 ft. Drifts. Pick mines. Daily capacity 600 tons. Trade names "Georges Creek Cumberland." Analysis on file.

WACHOVIA COAL CO., Cumberland, operates Montell mine near Vale Summit. VEIN Davis. Thickness 6 ft. Slope. Machine mine. Daily capacity 100 tons. Analysis on file.

WESTERN MARYLAND RAILROAD.

MARYLAND COAL CO., New York, N. Y., operates Kingsland mine at Lonaconing. VEIN Miller. Thickness 4 ft. Drift. Pick mine. Daily capacity 200 to 300 tons.

GARRETT COUNTY—County Seat, Oakland.

BALTIMORE & OHIO RAILROAD.

PATTISON, G. C., Bloomington, operates Empire mine at Bloomington. VEIN Kittanning. Thickness 6 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Piedmont Smokeless."
Same Company operates Pattison mine at Bloomington. VEIN Bakertown. Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons.

WESTERN MARYLAND RAILROAD.

DAVIS COAL & COKE CO., Baltimore, operates Buxton mine No. 17 at West Virginia Central Junction. VEIN Lower Kittanning. Thickness 5½ ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "Buxton."

GARRETT COUNTY COAL MINING CO., Bethlehem, Pa., operates Dodson mine at Dodson. VEINS Six Foot and Four Foot. Thickness 52 in. Drift. Pick mine. Daily capacity 1000 tons. Trade name "Dodson."

HAMILL COAL & COKE CO., Blaine, W. Va., operates Hamill mine at Miller. VEIN Kittanning. Thickness 5 to 6 ft. Drift. Pick mine. Daily capacity 300 tons. Analysis on file.

MONROE COAL MINING CO., Barnum, W. Va., operates Elk Run mines Nos. 1 and 3 at Barnum. VEIN Lower Kittanning. Thickness 3 ft. and 6 ft. respectively. Drifts. Pick mines. Daily capacity 350 tons.

STOYER RUN COAL CO., Philadelphia, Pa., operates Stoyer mines Nos. 1 and 2 at Stoyer. VEIN*. Thickness*.

THREE FORKS COAL MINING CO., Philadelphia, Pa., operates Three Forks mine at Chaffee, W. Va. VEIN Lower Kittanning. Thickness 6 ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "Jasper." Analysis on file.

* NOT REPORTED

One Goodrich Conveyor Belt Deserves Another

Renewal Orders Come Easily.

The B. F. Goodrich Co. Akron, Ohio

MICHIGAN

Index of Veins, showing Counties in which they are found.

Vein	County
Corunna Block	Shiawassee
Saginaw	Bay—Saginaw—Tuscola
Upper	Bay
What Cheer	Bay

Robert Gage Coal Company
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Miners and Shippers of **St. Charles and Auburn Coal**
BAY CITY, MICH.

MICHIGAN

BAY COUNTY—County Seat, Bay City

GRAND TRUNK RAILWAY

UNITED CITY COAL MINING CO., Bay City, operates United mine at Bay City. VEIN*. Thickness 4 ft. Shaft. Pick mine. Daily capacity 200 tons.

MICHIGAN CENTRAL RAILROAD

BEAVER COAL CO., Bay City, operates Beaver mine at Bay City. VEIN*. Thickness 3 ft. Shaft. Machine and Pick mine. Daily capacity 150 tons.

CONSOLIDATED COAL CO., Saginaw, operates Central mine at Bay City. VEIN Saginaw. Average thickness 3 ft. 6 in. Shaft. Machine and Pick mine. Daily capacity 300 tons. Analysis on file.

CAGE COAL CO., ROBERT, Bay City, operates Robert Gage mine No. 5 at Coryell. VEIN*. Thickness 4½ ft. Shaft. Pick mine. Daily capacity 800 tons.
Same Company operates Robert Gage mine No. 6 at Coryell. VEIN* Thickness 6 ft. Shaft. Pick and Machine mine. Daily capacity 800 tons.

HANDY BROS. MINING CO., Bay City, operates Monitor mine at Bay City, VEIN Saginaw. Average thickness 5 ft. 6 in. Shaft. Pick mine. Daily capacity 700 tons. Trade name "Monitor." Analysis on file.

MICHIGAN COAL CO., Bay City, operates Michigan mine at Bay City. VEIN Upper Vein. Average thickness 3 ft. 6 in. Shaft. Pick mine. Daily capacity 200 tons. Trade name "Michigan White Ash Block."

WOLVERINE COAL CO., Saginaw, operates Wolverine mine No. 2 at Bay City. (Also Pere Marquette.) VEIN Saginaw. Thickness 3 ft. 6 in. Shaft. Pick and Machine mine. Daily capacity 500 tons. Analysis on file.

PERE MARQUETTE RAILROAD

WHAT CHEER COAL MINING CO., Bay City, operates What Cheer mine in Merritt Township. VEIN What Cheer. Thickness*. Shaft. Machine and Pick mine. Daily capacity 1000 tons.

WOLVERINE COAL CO., Saginaw, operates Wolverine mine No. 2 at Bay City. (See Michigan Central.)
Same Company operates Wolverine mine No. 3 at Bay City. VEIN Saginaw. Average thickness 3 ft. 6 in. Shaft. Pick and Machine mine. Daily capacity 1000 tons. Analysis on file.

EATON COUNTY—County Seat, Charlotte

PERE MARQUETTE RAILROAD

GRAND LEDGE COAL CO., Grand Ledge, operates Grand Ledge mine at Grand Ledge. VEIN*. Thickness 20 in. Drift. Pick mine. Small mine.

*NOT REPORTED.

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MICHIGAN, (Continued)

SAGINAW COUNTY—County Seat, Saginaw

MICHIGAN CENTRAL RAILROAD

BLISS COAL CO., THE, Swan Creek, operates Bliss mine No. 1 at Swan Creek. VEIN not classified. Thickness 3 ft. Shaft. Pick mine. Daily capacity 400 tons. Analysis on file.

CONSUMERS COAL CO., Saginaw, operates Consumers mine at Swan Creek. VEIN Saginaw. Thickness 30 in. Shaft. Pick mine. Daily capacity 600 tons.

CAGE COAL CO., ROBERT, Bay City, operates Robert Cage mines Nos. 1, 2 and 3 at St. Charles. VEIN*. Thickness 3 to 3½ ft. Shaft. Pick mine. Daily capacity 1300 tons.

PERE MARQUETTE RAILROAD

CALEDONIA COAL CO., Ltd., Saginaw, W. S., operates Caledonia mine No. 2 at Saginaw, W. S. VEIN No. 2. Thickness 2 ft. 2 in. to 3 ft. 6 in. Shaft. Pick mine. Daily capacity 200 tons. Trade name "Caledonia." Analysis on file.

CONSOLIDATED COAL CO., Saginaw, operates Uncle Henry and Saginaw mines at Saginaw. VEINS Saginaw. Average thickness 3½ ft. Shafts Pick mines. Daily capacity 700 tons. Analyses on file.
Same Company operates Pere Marquette No. 3, Chappell & Fordney No. 2, Shiawassee, Barnard, Riverside and Northern or Jimtown mines at Saginaw. VEINS Saginaw. Average thickness 3½ ft. Shafts. Machine and Pick mines. Daily capacity 2800 tons. Analyses on file.

SHIAWASSEE COUNTY—County Seat, Corunna

ANN ARBOR RAILROAD

NEW HAVEN COAL MINING CO., THE, Owosso, operates mine at West Haven. VEIN*. Thickness 30 to 40 in. Shaft. Pick mine. Daily capacity 500 tons. Analysis on file.

GRAND TRUNK RAILWAY

DETROIT VITRIFIED BRICK COMPANY, Corunna, operates Peak mine at Corunna. VEIN Corunna Block Coal. Average thickness 3 ft. Shaft. Pick mine.

TUSCOLA COUNTY—County Seat, Caro

PERE MARQUETTE RAILROAD

HANDY BROS. MINING CO., Bay City, operates Akron mine at Akron. VEIN Saginaw. Average thickness 4 ft. 10 in. Shaft. Machine and Pick mine. Daily capacity 600 tons. Trade name "Akron." Analysis on file.

***NOT REPORTED.**

JEFFREY COAL TIPPLES are designed and built for a wide range of service and usefulness. Bulletin No. 22 describes Coal Tipples and Shaking Screens. The Jeffrey Manufacturing *Company, Columbus*, Ohio.

OHIO

Index of Veins, showing Counties in which they are found.

Vein	County
No. 1	Jackson—Portage—Stark—Summit—Wayne
No. 2	Jackson—Stark
No. 3	Columbiana—Jefferson—Mahoning
No. 4	Columbiana—Jackson—Lawrence—Scioto—Stark—Vinton
No. 5	Carroll—Jackson—Lawrence—Mahoning—Noble—Stark—Tuscarawas
No. 6	Athens—Carroll—Columbiana—Coshocton—Gallia—Guernsey—Hocking—Jefferson—Lawrence—Morgan—Muskingum—Perry—Stark—Tuscarawas
No. 6½-A	Jefferson
No. 7	Athens—Carroll—Columbiana—Guernsey—Harrison—Morgan—Muskingum—Noble
No. 7-A	Carroll
No. 8	Athens—Belmont—Gallia—Harrison—Jefferson—Meigs
No. 8-C	Belmont
Cannel	Mahoning
Coshocton	Coshocton
Federal Creek	Athens
Hocking	Athens—Hocking—Muskingum—Noble
Massillon	Stark—Wayne
Meigs Creek	Noble
Middle Kittanning	Athens
Newlun	Vinton
Pomeroy	Meigs
Strip Vein	Carroll

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OHIO

ATHENS COUNTY—County Seat, Athens.

BALTIMORE & OHIO SOUTHWESTERN RAILROAD.

CANAAN COAL CO., THE, Canaanville, operates Canaan mine at Canaanville. VEIN Middle Kittanning. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1000 tons. Trade name "Canaan." Analysis on file.

CARBONDALE COAL CO., THE, Chillicothe, operates Carbondale mine No. 2 at Carbondale. VEIN No. 6. Thickness 5½ ft. Incline. Machine mine. Daily capacity 450 tons. Trade name "Semi-Wellston Steam Coal." Analysis on file.

Same Company operates Carbondale mine No. 3 at Carbondale. VEIN No. 6. Thickness 4½ ft. Drift. Machine mine. Daily capacity 300 tons. Trade name "Semi-Wellston Domestic Lump." Analysis on file.
1000 tons.

HOCKING MINING CO., THE, Athens, operates Del Carbo mine at Carbondale. VEIN No. 6. Thickness 5 ft. Slope. Machine mine. Daily capacity

LUHRIG COAL CO., THE, Cincinnati, operates Luhrig mines No. 2 and No. 3 at Luhrig. VEIN Hocking No. 6. Thickness 5½ to 6 ft. Shafts. Machine mines. Daily capacity 2000 tons. Trade name "Luhrig." Analysis on file.

HOCKING VALLEY RAILWAY.

COLUMBUS & HOCKING COAL & IRON CO., Columbus, operates Elk Creek mine at Doanville. VEIN No. 6. Thickness 7 ft. Drift. Machine mine. Daily capacity 1000 tons. Trade name "Elk Creek" Hocking. Analysis on file.

Same Company, operates Sedalia Peacock mine at Doanville. VEIN No. 7. Thickness 6½ ft. Drift. Machine mine. Daily capacity 700 tons. Trade name "Sedalia Peacock." Analysis on file.

IMPERIAL COAL MINING CO., Columbus, operates Elm Rock mine at Doanville. VEIN Hocking (No. 6). Thickness 7 ft. Drift. Machine mine. Daily capacity 1200 tons.

LORAIN COAL & DOCK CO., THE, Columbus, operates Eclipse mine at Hocking. VEIN Hocking. Thickness*. Shaft. Machine mine. Daily capacity 1600 tons. Trade name "Eclipse Hocking."

MAPLE MINING CO., THE, Nelsonville, operates Maple Hill mine at Happy Hollow. VEIN No. 6. Thickness 7 ft. Drift. Machine mine. Daily capacity. 400 tons. Trade name "Maple Hill."

* NOT REPORTED

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OHIO—Athens County—H. V. Ry.—(Continued)

NEW PITTSBURGH COAL CO., THE, Columbus, operates Kittanning mine No. 9 at Beaumont, and New Monarch mine No. 10 at Hocking.. VEIN No. 6. Thickness 6 ft. Shafts. Machine mines. Daily capacity 3400 tons. Trade names "Kittanning" and "New Monarch."

NEW YORK COAL CO., Columbus, operates mines Nos. 31 and 32 at Buchtel. VEIN No. 6. Thickness*. Drifts. Machine mines. Daily capacity 1500 tons. Trade name "Manhattan."

SUNDAY CREEK CO., Columbus, operates mine No. 10X at Orbiston. VEIN No. 6. Thickness 5½ ft. Slope. Machine mine. Daily capacity 1200 tons.
Same Company operates mine No. 201 at Floodwood. VEIN No. 6. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 750 tons.
Same Company operates mines Nos. 203 and 204 at Kimberly. VEIN No. 6. Thickness 5½ and 6 ft. respectively. Drifts. Machine mines. Daily capacity 1450 tons.
Same Company operates mine No. 207 at Nelsonville. VEIN No. 6. Thickness 6 ft. Drift. Machine mine. Daily capacity 1000 tons.
Same Company operates mines Nos. 209, 210, 211 and 212 at Poston. VEIN No. 6. Thickness 6 ft. Shafts. Machine mines. Daily capacity 4300 tons.

YORK CLAY & MINING CO., THE, Nelsonville, operates Half Moon and Sedalia No. 7 mines at Buchtel. Veins Nos. 6 and 7 respectively. Thickness 6 ft. Drifts. Machine mines. Daily capacity 800 tons.

MARIETTA, COLUMBUS & CLEVELAND RAILROAD.

BLACK DIAMOND COAL & COKE CO., THE, Columbus, operates Black Diamond mine at Lathrop. VEIN No. 8. Thickness 8 ft. Drift. Machine mine. Daily capacity 400 tons. Trade name "Black Diamond." Analysis on file.

FEDERAL COAL CO., THE, Marietta, operates Broadwell mine at Broadwell. VEIN Pittsburg No. 8. Thickness 8 ft. Drift. Machine mine. Daily capacity 150 tons.

FEDERAL-HOCKING COAL CO., THE, Columbus, operates Federal Valley mine No. 1 at Broadwell. VEIN Federal Creek. Thickness 8 ft. 8 in. Drift. Machine mine. Daily capacity 200 tons. Trade name "Federal-Hocking."

TOLEDO & OHIO CENTRAL RAILWAY.

CARBON COAL MINING CO., Amesville, operates Carbon mine at Lathrop. VEIN Pittsburg No. 8. Thickness 7 ft. Drift. Machine mine. Daily capacity 200 tons.

HISYLVANIA COAL CO., THE, Columbus, operates Sunday Creek mine No. 23 at Trimble. VEIN Hocking (No. 6). Thickness 6½ ft. Slope. Machine mine. Daily capacity 700 tons. Trade name "Hisylvania." Analysis on file.

*NOT REPORTED

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OHIO—Athens County—T. & O. C. Ry.—(Continued)

NORTHERN FUEL CO., Columbus, operates mine No. 24 at Jacksonville. VEIN No. 6. Thickness 7 ft. Shaft. Machine mine. Daily capacity 1100 tons.

SUNDAY CREEK CO., Columbus, operates mine No. 10 at Mortonville. VEIN No. 6. Thickness 5 ft. Shaft. Machine mine. Daily capacity 850 tons. Same Company operates mines Nos. 254 and 255 at Jacksonville. VEIN No. 6. Thickness 5½ and 6 ft. respectively. Shafts. Machine mines. Daily capacity 2500 tons.
Same Company operates mine No. 267 at Hunterdon. VEIN No. 6. Thickness 6 ft. Slope. Machine mine. Daily capacity 1000 tons.
Same Company operates mines Nos. 256, 275 and 311 at Clouster, Chauncey and Oakdale. VEIN No. 6. Thickness 5½ ft. Shafts. Machine mines. Daily capacity 2700 tons.
Same Company operates mines Nos. 266 and 281 at Hollister and Modoc. VEIN No. 6. Thickness 6 ft. Shafts. Machine mines. Daily capacity 2000 tons.

BELMONT COUNTY—County Seat, St. Clairsville.

BALTIMORE & OHIO RAILROAD.

AKRON COAL CO., THE, Akron, operates Columbia mine at Fairpoint. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 2000 tons. Trade name "Columbia." Analysis on file.

BAKEWELL COAL CO., THE, Bellaire, operates Knob mine at Bellaire. VEIN No. 8 Thickness 6 ft. Drift. Machine mine. Daily capacity 1000 tons.

BELMONT COAL MINING CO., THE, Pittsburgh, Pa., operates Glen mine at Glencoe. VEIN No. 8. Thickness 5½ ft. Slope. Machine mine. Daily capacity 1200 tons. Analysis on file.
Same Company operates Black Diamond mine at Neff. (Also W. & L. E. R. R.) VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 1400 tons. Analysis on file.
Same Company operates Ohio & West Virginia mine at Neff. VEIN No. 8. Thickness 5½ ft. Drift. Pick mine. Daily capacity 500 tons. Analysis on file.

COLBURGH COAL CO., THE, Columbus, operates Media mine at Baileys Mills. VEIN No. 8. Thickness*. Drift. Machine mine. Daily capacity 500 tons.

FLUSHING COAL CO., THE, Elyria, operates Tunnel mine at Flushing. VEIN No. 8-C. Thickness 4 ft. Drift. Machine mine. Daily capacity 300 tons.

GORDON COAL MINING CO., THE, Stewartsville, operates Lucy mine at Stewartsville. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 500 tons.

HARRISON MINING CO. Cleveland, operates Buckeye mine at Flushing. VEIN No. 8. Thickness 4 ft. 3 in. Drift. Machine mine. Daily capacity 500 tons. Trade name "Buckeye."

* NOT REPORTED

HEART OF THE DISTRICT COAL

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Also see page 1

The Jeffrey Manufacturing Company

Columbus, Ohio

1910

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Mines located in Ohio, Pennsylvania and West Virginia. General Offices: Rockefeller Bldg., Cleveland, O.

OHIO—Belmont County—B. & O. R. R.—(Continued)

HIGHLAND COAL CO., Wheeling, W. Va., operates Delora mine at Glencoe. VEIN No. 8. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 1600 tons.

HUTCHINSON COAL CO., Fairmont, W. Va., operates Kirkwood mine at Bridgeport. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 1500 tons. Trade name "Kirkwood."

KENNON COAL & MINING CO., THE, Cleveland, operates Kennon mine at Flushing. VEIN No. 8. Thickness 4 ft. 4 in. Drift. Machine mine. Daily capacity 500 tons.

LORAIN COAL & DOCK CO., THE, Columbus, operates Crescent mines Nos. 2 and 3 at Crescent. VEIN No. 8. Thickness*. Drifts. Machine mines. Daily capacity 2600 tons. Trade name "Crescent."
Same Company operates Wheeling Creek mine at Bridgeport. VEIN No. 8. Thickness*. Drift. Machine mine. Daily capacity 2500 tons.
Same Company operates Lansing Mine at Lansing. VEIN No. 8. Thickness*. Drift. Machine mine. Daily capacity 2500 tons.

PITTSBURGH-BELMONT COAL CO., THE, Columbus, operates Pittsburgh-Belmont mines Nos. 1 and 2 at Neff. VEIN No. 8. Thickness 5½ to 6 ft. Drifts. Machine mines. Daily capacity 3500 tons.

PITTSBURGH & OHIO MINING CO., THE, Cleveland, operates The Barton Coal Co's mine at Barton. VEIN No. 8. Thickness 5 to 6 ft. Drift. Machine mine. Daily capacity 1000 tons. Trade name "Taggart."

PURSEGLOVE COAL MINING CO., THE, St. Clairsville, operates Lydia Mine at Maynard. VEIN No. 8. Thickness 6 ft. Drift. Machine mine. Daily capacity 1500 tons.

RAIL & RIVER COAL CO., Pittsburgh, Pa., operates mine No. 6 at Bellaire. VEIN No. 8. Thickness 5½ to 5¾ ft. Slope. Machine mine. Daily capacity 600 tons.

RAVEN COAL CO., Wheeling, W. Va., operates Franklin mine at Stewartsville. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 800 tons.

ST. CLAIR COAL CO., THE, Cleveland, operates St. Clair mine at Flushing. VEIN No. 8. Thickness 5 ft. Shaft. Machine mine. Daily capacity 1200 tons.

SCHICK & CO., M. J., Bellaire, operates Schick's mine at W. Bellaire. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 400 tons.

VIRGINIA HILL COAL CO, THE, Cleveland, operates Virginia Hill mine at Lafferty. VEIN No. 8. Thickness 5ft. Slope. Machine mine. Daily capacity 1500 tons.

WERNER COAL CO., THE, WM. A., Zanesville, operates Cochran mine at Bailey Mills. VEIN No. 8. Thickness 4½ ft. Drift. Machine mine. Daily capacity 600 tons.

*NOT REPORTED

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OHIO—Belmont County—B. & O. R. R.—(Continued)

YOUGHIOGHENY & OHIO COAL CO., THE, Cleveland, operates Barton, Boggs and Maple Hill mines at Barton. VEIN No. 8. Thickness*. **Same Company** operates Delora and Eleanor mines near Glencoe and Warnock respectively. VEIN No. 8. Thickness*.

BELMONT CENTRAL RAILROAD.

PITTSBURG-BELMONT COAL CO., THE, Columbus, operates Pittsburg-Belmont mine No. 3 at Lafferty. VEIN No. 8. Thickness 5½ ft. Slope. Machine mine. Daily capacity 3000 tons.

CLEVELAND & PITTSBURGH RAILROAD. (PENNA. LINES.)

CAMBRIA MINING CO., THE, Toledo, operates Pultney mine at Bellaire. VEIN No. 8. Thickness 5½ ft. Slope. Machine mine. Daily capacity 1200 tons. Trade name "Pultney."

FORT PITT COAL CO., THE, Pitsburgh, Pa., operates Clifford mine at Dille Station. (P. O. Moundsville, W. Va.) VEIN No. 8. Thickness 6 ft. Slope. Machine mine. Daily capacity 1000 tons. Analysis on file.

GORRELL COAL CO., THE J. W., Alliance, operates Big Run mine at Aults. VEIN No. 8. Thickness 5 ft. 8 in. to 6 ft. 2 in. Slope. Machine mine. Daily capacity 1000 tons.

JOHNSON COAL CO., THE, Bellaire, operates Johnson mine at Pipe Creek. VEIN No. 8. Thickness 5 ft. 8 in. Slope. Machine mine. Daily capacity 700 tons. Trade name "Pipe Creek."

MORGAN, A. J., Bellaire, operates Edgehill mine at Bellaire. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 600 tons. Analysis on file.

PITTSBURGH & CLEVELAND COAL CO., Cleveland, operates Gaylord mines Nos. 1 & 2 at Martins Ferry. VEIN No. 8. Thickness 6 ft. Inclines. Machine mines. Daily capacity 1000 tons. Trade name "Gaylord." (Mine No. 2 under development).

RAIL & RIVER COAL CO., Pitsburgh, Pa., operates mines Nos. 1 & 2 at Bellaire. VEIN No. 8. Thickness 5½ to 5¾ ft. Slopes. Machine mines. Daily capacity 2900 tons.

WEST WHEELING COAL CO., Bridgeport, operates West Wheeling mine at West Wheeling. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 250 tons.

YOUGHIOGHENY & OHIO COAL CO., THE, Cleveland, operates Florence mine near Martins Ferry. VEIN No. 8. Thickness*.

WHEELING & LAKE ERIE RAILROAD.

BELMONT COAL MINING CO., THE, Pittsburgh, Pa., operates the Black Diamond mine at Neff. (See B. & O. R. R.)

PROVIDENT COAL CO., THE, Cleveland, operates Provident mine at St. Clairsville. VEIN No. 8. Thickness*. Shaft. Machine mine. Daily capacity 2000 tons. Trade name "Provident."

ROBY SOMERS COAL CO. Cleveland, operates Lorena mine at St. Clairsville. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 800 tons.

* NOT REPORTED

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OHIO—Belmont County—W. & L. E. R. R.—(Continued)

TROLL COAL MINING CO., THE, St. Clairsville, operates Troll mines Nos. 1, 2 and 3 at Trolls. VEIN No. 8. Thickness 5 ft. 10 in. Drifts. Machine mines. Daily capacity 2000 tons. Analysis on file.

CARROLL COUNTY—County Seat, Carrolton.

BALTIMORE & OHIO RAILROAD.

MAGNOLIA COAL CO., Akron, operates Magnolia mine at Magnolia. VEIN No. 5. Thickness 3 to 5½ ft. Shaft. Machine mine. Daily capacity 350 tons. Trade name "Magnolia."

OHIO MINING & RAILWAY CO., THE, Massillon, operates Lindentree mine at Lindentree. VEIN No. 6. Thickness 4 ft. Slope. Machine mine. Daily capacity 200 tons.

CLEVELAND & PITTSBURGH RAILROAD—(PENNA. LINES).

CARROLL & STORM COAL CO., THE, Cleveland, operates mine at Salineville. VEIN No. 7. Thickness 3 ft. Drift. Machine mine. Daily capacity 150 tons.

STERLING COAL CO., LTD., THE, Cleveland, operates Sterling mine at Salineville. VEIN Strip or No. 7. A. Thickness 3¼ ft. Drift. Machine mine. Daily capacity 600 tons. Trade name "Strip Vein." Analysis on file.
Same Company operates Strip Vein mine near Salineville. VEIN Strip. Thickness 3 ft. Drift. Machine mine. Daily capacity 375 tons.

WHEELING & LAKE ERIE RAILROAD.

LINCOLN COAL MINING CO., THE, Delroy, operates Dorothy mine No. 2 at Delroy. VEIN No. 6. Thickness 4 ft. Slope. Pick mine. Daily capacity 500 tons.

SOMERS MINING CO., Cleveland, operates mine No. 2 at Sherrodsville. VEIN No. 6. Thickness 4 ft. Shaft. Pick mine. Daily capacity 900 tons.

COLUMBIANA COUNTY—County Seat, Lisbon.

CLEVELAND & PITTSBURGH RAILROAD—(PENNA. LINES.)

BIG VEIN COAL CO., THE, Cleveland, operates Garside mine at Salineville. VEIN No. 7. Thickness 5½ to 6 ft. Shaft. Machine mine. Daily capacity 1000 tons. Trade name "Garside."

BUCKEYE CLAY & COAL CO., THE, Cleveland, operates Beech Grove mine at New Salisbury. VEIN No. 3. Thickness 4 ft. Drift. Machine mine. Daily capacity 400 tons. Trade name "Beech Grove."

OHIO & PENNSYLVANIA COAL CO., THE, Cleveland, operates Slope mine at Salineville. VEIN No. 6. Thickness 4½ ft. Slope. Machine mine. Daily capacity 700 tons. Trade name "Salineville."

STRABLEY, JAMES S., Salineville, operates Strabley's mine at Salineville. VEIN No. 6. Thickness 4½ to 6 ft. Drift. Machine mine. Daily capacity 300 tons.

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OHIO—Columbiana County — (Continued)

ERIE RAILROAD.

CARD & PROSSER COAL CO., Cleveland, operates Peerless mine at Salem. (Also Y. & O. R. R.) VEIN No. 3. Thickness 3 ft. 10 in. Slope. Pick mine. Daily capacity 250 tons. Trade name "Peerless."
Same Company operates mine No 4 at Lisbon. VEIN No. 7. Thickness 3 ft. Drift. Machine mine. Daily capacity 200 tons.
Same Company operates West Pittsburgh mine at Teegarden. VEIN No. 3. Thickness 3 ft. 10 in. Shaft. Machine mine. Daily capacity 500 tons. Trade name "West Pittsburgh."

PITTSBURGH, FORT WAYNE & CHICAGO RAILWAY. (PENNA LINES.)

BUCK COAL CO., THE, Salem, operates Buck mine at Salem. VEIN No. 3. Thickness 3½ ft. Shaft. Machine and Pick mine. Daily capacity 150 tons.

FAIRFIELD COAL CO., THE, Cleveland, operates Fairfield mine at New Waterford. VEIN No. 6. Thickness 4 ft. Drift. Pick mine. Daily capacity 700 tons.

PROSPECT HILL COAL CO., THE, East Palestine, operates Prospect Hill mines Nos. 1 and 2 at East Palestine. VEIN No. 6. Thickness 3½ ft. No. 1 Slope and No. 2 Drift. Machine and Pick mines. Daily capacity 400 tons.

STATE LINE COAL CO., THE, Cleveland, operates State Line mine at East Palestine. VEIN No. 6. Thickness 4 ft. Slope. Pick mine. Daily capacity 800 tons.

STERLING COAL CO., Ltd., THE, Cleveland, operates Delmore mine at Leetonia. VEIN No. 3. Thickness 3½ ft. Slope. Pick mine. (Installing machines.) Daily capacity 300 tons. Analysis on file.

PITTSBURGH, LISBON & WESTERN RAILROAD.

HERRIOTT COAL CO., THE, Negley, operates Elk Run mine at Newhouse. VEIN No. 6. Thickness 3½ ft. Drift. Machine mine. Daily capacity 300 tons. Analysis on file.

NEGLEY COAL CO., THE, Negley, operates Pleasant Valley mine at Negley. VEINS Nos. 6 and 7. Thickness 3 ft. Drift. Pick mine. Daily capacity 100 tons. Trade name "Negley."

YOUNGSTOWN & OHIO RIVER RAILROAD.

CARD & PROSSER COAL CO., Cleveland, operates Peerless mine at Salem. (See Erie R. R.)

SALEM CO., THE, Salem, operates Salem mine at Salem. VEIN*. Thickness 3½ ft. Drift. Machine mine. Daily capacity 400 tons. Trade name 'Salem." Analysis on file.

SMITH COAL CO., J. D., Washingtonville, operates Everage mine at Washingtonville. VEIN No. 4. Thickness 2½ ft. Drift. Pick mine. Daily capacity 25 tons.

* NOT REPORTED

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OHIO—(Continued)

COSHOCTON COUNTY—County Seat, Coshocton.

PITTSBURGH, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY.—(PENNA. LINES.)

COLUMBUS COAL & MINING CO., THE, Coshocton, operates Franklin mine at Franklin Station. VEIN No. 6. Thickness 3 ft. 8 in. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

DAVIS, DAVID, Conesville, operates Conesville mine at Conesville. VEIN No. 6. Thickness 3 ft. 8 in to 4 ft. Drift. Machine mine. Daily capacity 400 tons.

MORGAN RUN COAL & MINING CO., Cleveland, operates Morgan Run mine at Coshocton. (Also W. & L. E. R. R.) VEIN No. 6. Thickness 3 to 4 ft. Drift. Pick mine. Daily capacity 400 tons. Trade name "Morgan Run."

ODEN VALLEY COAL CO., THE, Coshocton, operates Oden Valley mine at Coshocton. VEIN No. 6. Thickness 3½ ft. to 4 ft. 2 in. Drift. Pick mine. Daily capacity 125 tons. Trade name "Oden Valley." Analysis on file.

WADE COAL CO., THE, Cleveland, operates Perkins mine at Coshocton. (Also W. & L. E. R. R.) VEIN No. 6. Thickness 3 to 4 ft. Drift. Pick mine. Daily capacity 200 tons.

WHEELING & LAKE ERIE RAILROAD.

BARNES COAL & MINING CO., THE, Coshocton, operates Best mines Nos. 1 and 2 near Conesville. VEIN No. 6. Thickness 4 ft. Drifts. Machine mines. Daily capacity 450 tons. Analysis on file.

DRAKE COAL CO., THE, Cleveland, operates Warwick mine at Coshocton. VEIN Coshocton. Thickness 4 ft. Drift. Machine mine. Daily capacity 600 tons. Trade name "Warwick."

LOCUST GROVE COAL CO., THE, Cleveland, operates Locust Grove mine at Coshocton. VEIN No. 6. Thickness 4 ft. 8 in. Drift. Pick mine. Daily capacity 200 tons. Trade name "Locust Grove."

MORGAN RUN COAL & MINING CO., Cleveland, operates Morgan Run mine at Coshocton. (See P. C. C. & St. L. R. R.)

WADE COAL CO., THE, Cleveland, operates Perkins mine at Coshocton. (See P. C. C. & St. L. R. R.)

GALLIA COUNTY—County Seat, Gallipolis.

CINCINNATI, HAMILTON & DAYTON RAILWAY.

BLACK DIAMOND COAL CO., THE, Gallia, operates Black Diamond mine at Gallia. VEIN No. 6. Thickness 3½ ft. Slope. Pick mine. Daily capacity 100 tons.

HOCKING VALLEY RAILWAY.

RIVERSIDE COAL CO., Columbus, operates Carls mine at Carlton. VEIN No. 8. Thickness 4½ ft. Drift and Incline. Pick mine. Daily capacity 150 tons. Trade name "Pomeroy."

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The Baltimore & Ohio Coal Company
COLUMBUS, OHIO
EXCLUSIVE SALES AGENTS
The Forsythe Coal Company

OHIO—(Continued)

GUERNSEY COUNTY—County Seat, Cambridge.

BALTIMORE & OHIO RAILROAD.

AKRON COAL CO., THE, Akron, operates Murry Hill mine at Cambridge. VEIN No. 7. Thickness 5½ ft. Slope. Machine mine. Daily capacity 1000 tons. Analysis on file.

CAMBRIDGE COLLIERIES CO., THE, Cleveland, operates Blue Bell mine at Opperman. VEIN No. 7. Thickness*. Shaft. Machine mine.
Same Company operates Hartford mine at Buffalo. VEIN No. 7. Thickness*. Shaft. Machine mine.

FEDERAL FUEL & MINING CO., THE, Toledo, operates Leatherwood mines Nos. 1 and 2 at Leatherwood Station. VEIN No. 7. Thickness 5 to 6 ft. Drift and Slope. Machine mines. Daily capacity 1200 tons.

FORSYTHE COAL CO., THE, Cambridge, operates Forsythe mine at Cambridge. VEIN No. 7. Thickness 6 ft. Slope. Machine mine. Daily capacity 1800 tons.

LOOMIS-MOSS COAL CO., THE, Akron, operates Klondyke mine at Kipling. VEIN No. 7. Thickness 6 ft. Slope. Machine mine. Daily capacity 2000 tons. Trade name "Klondyke Gas." Analysis on file.

MORRIS COAL CO., THE, Cleveland, operates Kings, Black Top and Old Orchard mines at Cambridge. VEIN No. 7. Thickness 5½ to 6 ft. Shafts and Drifts. Machine mines. Daily capacity 3300 tons.

NATIONAL COAL CO., THE, Cleveland, operates Little Kate mine No. 2 at Helena. VEIN No. 7. Thickness 6 ft. Slope. Machine mine. Daily capacity 3000 tons. Trade name "Little Kate." Analysis on file.

CLEVELAND & MARIETTA RAILWAY—(PENNA. LINES.)

BYESVILLE COAL CO., THE, Cambridge, operates Little Trail Run mine at Byesville. VEIN No. 7. Thickness 5 ft. 4 in. Machine mine. Daily capacity 450 tons. Trade name "Little Trail Run."

CAMBRIDGE COLLIERIES CO., THE, Cleveland, operates Detroit mine at Ava. VEIN No. 7. Thickness*. Shaft. Machine mine.
Same Company operates Trail Run mines Nos. 1 and 2, and Ideal mine at Byesville. VEIN No. 7. Thickness*. Shafts. Machine mines.
Same Company operates Walhounding mine No. 2 at Pleasant City. VEIN No. 7. Thickness*. Shaft. Machine mine.
Same Company operates Midway mine at Byesville. VEIN No. 7. Thickness*. Slope. Machine mine.

CLINTON COAL & MINING CO., THE, Cambridge, operates West Branch mine at Byesville. VEIN No. 7. Thickness 5 ft. Slope. Machine mine. Daily capacity 400 tons.

CONSOLIDATED OHIO COAL CO., Toledo, operates Indian Camp and Union mines at Birds Run. VEIN No. 6. Thickness 3½ ft. Drifts. Machine mines. Daily capacity 500 tons. Analysis on file.

* NOT REPORTED

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OHIO—Guernsey County—B. & O. R. R.—(Continued)

DOMESTIC COAL CO., THE, Cambridge, operates Red Oak mine at Cambridge. VEIN No. 7. Thickness 5 ft. Drift. Machine mine. Daily capacity 150 tons.

IMPERIAL MINING CO., THE, Chicago, Ill., operates Imperial mine at Derwent. VEIN*. Thickness*. Shaft. Machine mine. Daily capacity 1500 tons.

NATIONAL COAL CO., THE, Cleveland, operates Little Kate mine at Byesville. VEIN No. 7. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1600 tons. Trade name "Little Kate." Analysis on file.
Same Company operates Minnehaha mine at Marysville. VEIN No. 7. Thickness 6 ft. Slope. Machine mine. Daily capacity 3000 tons. Trade name "Litle Kate." Analysis on file.

PURITAN COAL CO., THE, Cambridge, operates Puritan mine at Cambridge. VEIN No. 7. Thicknes 6 ft. Shaft. Machine mine. Daily capacity 900 tons. Trade name "White Ash."

VIVIAN COLLIERIES CO., Chicago, Ill., operates Ohio mine No. 1 at Byesville. VEIN*. Thickness*. Drift. Pick mine. Daily capacity 250 tons. **Same Company** operates Ohio mine No. 2 at Byesville. VEIN*. Thickness*. Shaft. Machine mine. Daily capacity 900 tons.

HARRISON COUNTY—County Seat, Cadiz.

LAKE ERIE, ALIANCE & WHEELING RAILROAD.

PITTSBURGH BLOCK COAL CO., Pittsburgh, Pa., operates Ewing mine No. 2 at Hopedale VEIN No. 8. Thickness 5½ ft. Drift. Pick mine. Analysis on file.

PITTSBURGH, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY.—(PENNA. LINES.)

NEWTON COAL & MINING CO., THE, Dennison, operates Newton mine at Philadelphia Roads. VEIN No. 7. Thickness 4½ ft. Slope. Machine mine. Daily capacity 500 tons. Trade name "Newton Erie."

WHEELING & LAKE ERIE RAILROAD.

BLAIR MINING CO., A. G., THE, Toledo, operates Majestic mine at Blairmont. VEIN No. 8. Thickness 5 ft. 4 in. Drift. Machine mine. Daily capacity 700 tons. Trade name "Majestic."

ROBY COAL CO., Cleveland, operates mine No. 1 at Adena. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 2000 tons.

WEST MINING CO., THE, Cleveland, operates Adena mine at Adena. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily Capacity 500 tons.

* NOT REPORTED

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OHIO—(Continued)

HOCKING COUNTY—County Seat, Logan.

HOCKING VALLEY RAILWAY.

ARBON COAL CO., THE, Sand Run, operates mine No. 1 at Sand Run. VEIN No. 6. Thickness 4 to 6 ft. Drift. Machine mine. Daily capacity 200 tons.

ARBON HILL MINING CO., Carbon Hill, operates Stalter mine No. 2 at Longstreth. VEIN Hocking No. 6. Thickness 7 ft. Drift and Incline. Machine mine. Daily capacity 120 tons.

OLUMBUS & HOCKING COAL & IRON CO., Columbus, operates mines Nos. 11, 107, 35 and 49 at New Straitsville, and Nos. 53 and 105 at Buchtel. VEIN No. 6. Thickness 8 ft. Drifts. Pick mines. Daily capacity 1200 tons each. Trade name "Hocking." Analysis on file.

SSEX COAL CO., THE, New Straitsville, operates Yellow Jacket mine at Coalgate. VEIN No. 6. Thickness 6 to 10 ft. Drift. Machine mine. Daily capacity 1500 tons. Trade name "Esco Hocking."

EM COAL CO., THE, Nelsonville, operates Gem mine at Fast Run. VEIN No. 6. Thickness 10 ft. Drift. Machine mine. Daily capacity 400 tons. Trade name "Gem."

OCKING FUEL CO., THE, Columbus, operates Copper Head mine at Gore. VEIN No. 6. Thickness 9 ft. Incline. Machine mine. Daily capacity 300 tons.

RAMER BROS. COAL CO., New Straitsville, operates Butterfly mine at Paynes Crossing. VEIN No. 6. Thickness 11 ft. Incline. Pick mine. Daily capacity 50 tons.

EW PITTSBURGH COAL CO., THE, Columbus, operates Powells Run mine No. 1 at New Pittsburgh; Greendale mine No. 5 and Murray City mine No. 7 at Murray City. VEIN No. 6. Thickness 6 ft. Drifts. Machine and Pick mines. Daily capacity 5000 tons. Trade names "Powells Run," "Greendale" and "Murray City."

EW YORK COAL CO., Columbus, operates mine No. 33 at Orbiston. VEIN No. 7. Thickness 5 ft. Drift. Daily capacity 500 tons. Trade name "Knickerbocker."

OYAL COAL CO., THE, Nelsonville, operates Royal mine No. 19 at Carbon Hill. VEIN No. 6. Thickness 6 ft. 4 in. Incline. Pick mine. Daily capacity 185 tons.

TALTER COAL CO., R., Columbus, operates Stalter mine at Carbon Hill. VEIN No. 6. Thickness 6 to 7 ft. Drift. Machine mine. Daily capacity 400 tons.

UNDAY CREEK CO., Columbus, operates mines Nos. 1 and 2 at Jobs. VEIN No. 6. Thickness 6 ft. Drifts. Machine mines. Daily capacity 1500 tons.

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Dealers in
Fuse, Caps and Blasting Supplies

CLEVELAND OHIO

OHIO—(Continued)

JACKSON COUNTY—County Seat, Jackson.

BALTIMORE & OHIO RAILROAD.

HOLBERG, HENRY, Jackson, operates Holberg mine at Holberg Farm. (Also D. T. & I. Ry.) VEIN No. 2. Thickness 2½ ft. Drift. Pick mine. Daily capacity 50 tons. Analysis on file.

BALTIMORE & OHIO SOUTHWESTERN RAILROAD.

SUPERIOR COAL COMPANY, Jackson, operates mine No. 3 at Wellston. (Also C. H. & D. Ry.) VEIN No. 2. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 400 tons. Trade name "Wellston Shaft." Analysis on file.

WARD COAL CO., Oak Hill, operates Evans mine at Oak Hill. VEIN No. 5. Thickness 3½ ft. Drift. Pick mine. Daily capacity 65 tons.

CINCINNATI, HAMILTON & DAYTON RAILWAY.

ELKHORN COAL CO., THE, Jackson, operates Elkhorn mine at Madison. VEIN No. 4. Thickness 4 ft. Drift. Pick mine. Daily capacity 100 tons.

HARPER COAL CO., THE, Coalton, operates Harper mine at Coalton. (Also D. T. & I. Ry.) VEIN No. 2. Thickness 2 ft. 10 in. Slope. Pick mine. Daily capacity 150 tons. Analysis on file.

JONES & MORGAN, Jackson, operates mine No. 3 at Glen Roy. (Also D. T. & I. Ry.) VEIN No. 2. Thickness 3 to 3½ ft. Slope. Machine and Pick mine. Daily capacity 80 to 100 tons.

REMPLE FUEL CO., Remple, operates McKitterick mine at Remple. VEIN Jackson No. 5. Thickness 3½ ft. Drift. Pick mine. Daily capacity 175 tons. Trade name "Jackson."

SUPERIOR COAL CO., Jackson, operates mine No. 4 at Wellston. VEIN No. 2. Thickness 3 to 4 ft. Shaft. Pick mine. Daily capacity 600 tons. Trade name "Wellston Shaft." Analysis on file.

Same Company operates Superior mine No. 9 at Wellston. VEIN No. 2. Thickness 4½ ft. Shaft. Machine mine. Daily capacity 1000 tons. Trade name "Wellston Shaft Machine."

Same Company operates Superior mines Nos. 10 and 11 at Wellston. VEINS Nos. 4 and 5. Thickness 4 to 5 ft. Drifts and Slopes. Machine mines. Daily capacity 2500 tons. Trade name "Wellston Four & Five."

Same Company operates mine No. 3 at Wellston. (See B. & O. S. W. R. R.)

TOM CORWIN COAL CO., THE, Dayton, operates Tom Corwin mine No. 1 at Glen Roy. (Also D. T. & I. Ry.) VEIN No. 2. Thickness about 34 in. Shaft. Pick mine. Daily capacity 150 tons. Trade name "Tom Corwin"

CINCINNATI & MUSKINGUM VALLEY RAILWAY.
(PENNA. LINES.)

GOSLINE & CO., W. A., Toledo, operates Price mine at Jackson. VEIN No. 2 Thickness 3 ft. Drift. Pick mine. Daily capacity 200 tons.

THE GARY IRON & STEEL CO.

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ANY STYLE
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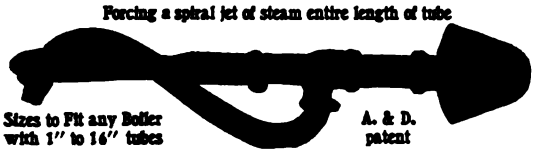

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EXCLUSIVE MANUFACTURERS
CLEVELAND, O.

OHIO—Jackson County—C. & M. V. Ry.—(Continued)

DETROIT, TOLEDO & IRONTON RAILWAY.

CHAPMAN COAL CO., THE, Jackson, operates Grace mine near Jackson. VEIN No. 2. Thickness 2 ft. 4 in. to 3 ft. Shaft. Machine mine. Daily capacity 400 tons. Trade name "Grace-Jackson Hill."
Same Company operates Chapman mine near Jackson. VEIN No. 2. Thickness 2 ft. 4 in. to 3 ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "Chapman Jackson Hill."
Same Company operates Springfield mine near Jackson. VEIN No. 2. Thickness 2 ft. 4 in. to 3 ft. Shaft. Machine and Pick mine. Daily capacity 350 tons. Trade name "Springfield." Analysis on file.

COCHRAN COAL CO., THE, Jackson, operates Cochran mine at Jackson. VEIN No. 2. Thickness 3½ ft. Drift. Pick mine. Daily capacity 150 tons. Analysis on file.

DEWITTE COAL CO., Wellston, operates DeWitte mine at Wellston. VEIN No. 5. Thickness 3 ft. 2 in. Drift. Pick mine. Daily capacity 150 tons.

DOMESTIS COAL CO., THE, Wellston, operates Domestis mine at Wellston. VEIN No. 2. Thickness 3½ ft. Shaft. Machine mine. Daily capacity 600 tons. Analysis on file.

HARPER COAL CO., THE, Coalton, operates Harper mine at Coalton. (See C. H. & D. Ry.)

HOLBERG, HENRY, Jackson, operates Holberg mine at Holberg Farm. (See B. & O. R. R.)

JONES & MORGAN, Jackson, operates mine No. 3 at Glen Roy. (See C. H. & D. Ry.)

KESSLER COAL CO., THE, Wellston, operates McKinley mine at Cornelia. VEIN Jackson No. 4. Thickness 4½ ft. Drift. Pick mine. Daily capacity 150 tons. Trade name "McKinley."

MONITOR COAL CO., Wellston, operates Monitor mine at Wellston. VEIN No. 4. Thickness 4½ ft. Drift. Pick mine. Daily capacity 120 tons.

STAR FURNACE CO., Jackson, operates Star mine No. 4 at Jackson. VEIN No. 1. Thickness 3½ ft. Drift. Pick mine. Daily capacity 120 tons.

SUN COAL CO., THE, Jackson, operates Black Pearl mine at Jackson. VEIN No. 2. Thickness 2 ft. 8 in. Drift. Pick mine. Daily capacity 200 tons.

SUPERIOR COAL CO., Jackson, operates Superior mine No. 12 at Wellston. VEIN No. 2. Thickness 3 ft. Shaft. Machine mine. Daily capacity 350 tons. Trade name "Wellston Shaft Machine." Analysis on file.
Same Company operates mine No. 1 at Wellston. VEIN No. 2. Thickness 4 ft. Shaft. Pick mine. Daily capacity 200 tons. Trade name "Wellston Shaft." Analysis on file.

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OHIO—Jackson County—D. T. & I. Ry.—(Continued)

TOM CORWIN COAL CO., THE, Dayton, operates Tom Corwin mine No. 1 at Glen Roy. (See C. H. & D. Ry.)

HOCKING VALLEY RAIWAY.

McDONALD, S. S., Columbus, operates Clarion mine at Clarion. VEIN No. 4. Thickness 4½ ft. Slope. Machine mine. Daily capacity 300 tons. Trade name "Clarion." Analysis on file.

JEFFERSON COUNTY—County Seat, Steubenville.

CLEVELAND & PITTSBURGH RAILROAD—(PENNA. LINES.)

BLYTH-ELDER COAL CO., Pittsburgh, Pa., operates Jean mine at Salt Run. VEIN No. 8. Thickness 5 ft. Incline. Machine mine. Daily capacity 600 tons.

GLENS RUN COAL CO, THE, Cleveland, operates Rush Run mines Nos. 1, 2 and 3, at Rush Run. VEIN No. 8. Thickness 5 ft. Inclines. Machine mines. Daily capacity 2,000 tons. Analysis on file.

OHIO & PENNSYLVANIA COAL CO., THE, Cleveland, operates Walnut Hill mine at Yorkville. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 900 tons.

RUSSELL COAL & MINING CO., THE, Cleveland, operates Russell mine at Tiltonville. VEIN No. 8. Thickness 5 ft. 3 in. Incline. Machine mine. Daily capacity 800 tons. Trade name "Crawford Hill." Analysis on file.

SHANNON COAL CO., Wheeling, W. Va., operates Kelly mine at Rayland. VEIN No. 8. Thickness 5 ft. 4 in. Drift. Machine mine. Daily capacity 800 tons. Trade name "Shannon Run."

SMITH, W. E., Wellsville, operates Diamond mine at Yellow Creek. VEIN No. 3. Thickness 3½ ft. Slope. Machine mine. Daily capacity 75 tons.

UNITED STATES COAL CO., THE, Cleveland, operates Plum Run mine at Rhodesdale. VEIN No. 8. Thickness 5 ft. Drift. Machine mine. Daily capacity 2500 tons. Trade name "Crow Hollow."

DILLONVALE & SMITHFIELD RAILROAD

UNITED STATES COAL CO., THE, Cleveland, operates Bradley mine at Bradley. (Also W. & L. E. R. R. and L. E. A. & W. R. R.) VEIN No. 8. Thickness 5 ft. Drift. Machine mine. Daily capacity 2500 tons. Trade name. "Crow Hollow."

LAKE ERIE, ALLIANCE & WHEELING RAILROAD.

BERGHOLZ COAL CO., THE, Bergholz, operates XL mine at Bergholz. VEIN 6½ A. Thickness 3 ft. 2 in. Slope. Machine mine. Daily capacity 600 tons. W. H. Warren & Co., Cleveland, Exclusive Sales Agents.

JEFFERSON COAL CO., THE, Cleveland, operates Piney Fork mines Nos. 1, 2, 3 and 4 at Piney Fork. VEIN No. 8. Thickness 5½ ft. Slopes. Machine mines. Daily capacity 4500 tons. Trade name "Piney Fork."

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CLEVELAND, OHIO

OHIO—Jefferson County—L. E. A. W. R. R. (Continued)

OHIO & PENNSYLVANIA COAL CO., THE, Cleveland, operates Zerbe mine at Amsterdam. VEIN No. 6. Thickness 5 ft. Shaft. Machine mine. Daily capacity 1500 tons. Trade name "Zerbe."

RICE COAL CO., THE, Cleveland, operates Rice mine at Bergholz. VEIN No. 6. Thickness 5 ft. Slope. Machine mine. Daily capacity 1500 tons. Trade name "Rice or West Pittsburgh."

UNITED STATES COAL CO., THE, Cleveland, operates Bradley mine at Bradley. (See D. & S. R. R.)

WITCH HAZEL COAL CO., THE, Youngstown, operates Florence mine at Florencedale. VEIN No. 8. Thickness 5 ft. Drift. Machine mine. Daily capacity 500 tons. Trade name "Spooky Ridge." Analysis on file.

WOLF RUN COAL CO., THE, Cleveland, operates Elizabeth mine at Wolf Run. VEIN No. 6. Thickness 4 to 5 ft. Shaft. Machine mine. Daily capacity 1200 tons. Trade name "Wolf Run." Analysis on file. W. H. Warner & Co., Cleveland, Exclusive Sales agents.

YOUGHIOGHENY & OHIO COAL CO., THE, Cleveland, operates Amsterdam mine at Amsterdam. VEIN No. 6. Thickness*.

WABASH, PITTSBURGH TERMINAL RAILWAY.

WABASH COAL CO., Cleveland, operates Wabash mine at Parlett. VEIN No. 8. Thickness 5 ft. Slope. Pick mine. Daily capacity 800 tons. Trade name "Wabash."

WHEELING & LAKE ERIE RAILROAD.

GLENS RUN COAL CO., THE, Cleveland, operates Edgar mines Nos. 1 and 2 at Dillonvale. VEIN No. 8. Thickness 5½ ft. Inclines. Machine mines. Daily capacity 1800 tons. Analysis on file.

MORRIS-POSTON COAL CO., THE, Cleveland, operates Dunglen mine at Dunglen. VEIN No. 8. Thickness 6 ft. Incline. Machine mine. Daily capacity 1200 tons.

ROBY COAL CO., Cleveland, operates mine No. 2 at Ramsey. VEIN No. 8. Thickness 5½ ft. Drift. Machine mine. Daily capacity 3000 tons.

UNITED STATES COAL CO., THE, Cleveland, operates Bradley mine at Bradley. (See D. & S. R. R.)

WHEELING & LAKE ERIE COAL MINING CO., THE, Cleveland, operates Dillon mines Nos. 2, 3 and 4 at Dillonvale, Connorville and Herrick respectively. VEIN No. 8. Thickness 5½ ft. Inclines. Machine and Pick mines. Daily capacity 4000 tons. Trade name "Dillon."

LAWRENCE COUNTY—County Seat, Ironton.

BALTIMORE & OHIO SOUTHWESTERN RAILROAD.

BLACK FORK CO., THE, Blackfork, operates Blackfork mine No. 6 at Blackfork. VEIN No. 6. Thickness 2 ft. 4 in. Drift. Pick mine. Daily capacity 60 tons. Analysis on file.

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OHIO—Lawrence County—B. & O. S. W. R. R.—(Continued)

Same Company operates Clarion mine No. 4 at Blackfork. VEIN No. 4. Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.
Same Company operates Irish Hollow mine at Blackfork. VEIN No. 5. Thickness 3 ft. 2 in. Drift. Machine mine. Daily capacity 300 tons. Analysis on file.
Same Company operates Fienup mine No. 5 at Blackfork. VEIN No. 5. Thickness 3 ft. Drift. Pick mine. Daily capacity 50 tons.

CINCINNATI, HAMILTON & DAYTON RAILWAY.

BUCKHORN COAL CO., THE, Buckhorn, operates Buckhorn mine at Buckhorn. VEIN No. 5. Thickness 4 ft. Drift. Pick mine. Daily capacity 150 tons.

HALL COAL CO., THE JOHN F., Dayton, operates Hall mine at Jep. VEIN No. 5. Thickness 3½ ft. Drift. Pick mine. Daily capacity 225 tons. Trade name "Jackson."

DETROIT, TOLEDO & IRONTON RAILWAY.

GINN COMPANY, THE, Ironton, operates Red Devil mines Nos. 1 and 2 at LaGrange Station. VEIN No. 5. Thickness 3½ ft. Drifts. Pick mines. Daily capacity 150 tons. Trade name "Red Devil." Analysis on file.
Same Company operates mines Nos. 2 and 3 at Etna Station. VEIN No. 5. Thickness 3 ft. 11 in. to 4 ft. 8 in. Drifts. Pick mines. Daily capacity 425 tons. Trade name "Etna."

HALLEY COAL CO., THE, Pedro, operates mine No. 1 at Pedro. VEIN No. 5. Thickness 4½ ft. Drift. Pick mine. Daily capacity 75 tons. Trade name "Etna."

MAHONING COUNTY—County Seat, Youngstown.
ERIE RAILROAD.

MAHONING & LAKE ERIE COAL CO., THE, Cleveland, operates Fisk mine at Loveland. VEIN Cannel. Thickness 4 ft. 3 in. Slope. Machine and Pick mine. Daily capacity 300 tons. Trade name "Old Hickory."

STERLING COAL CO., Ltd., THE, Cleveland, operates Fairview mine No. 3 at Washingtonville. VEIN No. 3. Thickness 3 ft. 8 in. Slope. Machine and Pick mine. Daily capacity 300 tons. Trade name "Fairview No. 3." Analysis on file.

PITTSBURGH, FORT WAYNE & CHICAGO RAILWAY—
(PENNA. LINES.)

McKINLEY CO., Salem, operates McKinley mine at Beloit. VEIN No. 5. Thickness 3 ft. 8 in. Shaft. Pick mine. Daily capacity 250 tons. Analysis on file.

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OHIO—(Continued)

MEIGS COUNTY—County Seat, Pomeroy.

HOCKING VALLEY RAILWAY.

EBERSBACH, MARTIN, Pomeroy, operates Rolling Mill mine at Pomeroy. VEIN Pomeroy. Thickness 5 ft. Drift. Machine mine. Daily capacity 400 tons. Trade name "Pomeroy."

MONKEY RUN COAL CO., THE, Middleport, operates Dabney mine at Pomeroy. VEIN No. 8. Thickness 6 ft. Drift. Pick mine. Daily capacity 150 tons.

PEACOCK COAL CO., Pomeroy, operates Charter Oak mine at Pomeroy. VEIN Pomeroy. Thickness 5 ft. Drift. Machine mine. Daily capacity 600 tons. Trade name "Peacock."

PITTSBURGH MINING CO., THE, Minersville, operates Calumet mine at Minersville. VEIN Pomeroy. Thickness 4½ ft. Drift. Machine mine. Daily capacity 500 tons. Trade name "Hatfield."

POMEROY FUEL CO., Columbus, operates Red Bird mine at Silver Run. VEIN No. 8. Thickness 4½ ft. Incline. Machine mine. Daily capacity 300 tons. Trade name "Okay Pomeroy."

SILVER RUN COAL CO., THE, Middleport, operates Silver Run mine at Silver Run. VEIN No. 8. Thickness 4 ft. Drift. Machine mine. Daily capacity 200 tons. Trade name "Silver Run."

KANAWHA & MICHIGAN RAILWAY.

HARLEY COAL CO., Middleport, operates King mine at Rockville. VEIN No. 8. Thickness 4 ft. 10 in. Drift and Incline. Machine mine. Daily capacity 200 tons.

MAYNARD COAL CO., THE, Columbus, operates Buckeye mine at Rutland. VEIN Pomeroy. Thickness 5 ft. Incline. Machine mine. Daily capacity 1000 tons. Trade name "Maynard-Pomeroy." Analysis on file.

NOBLE SUMMIT COAL CO., Middleport, operates Noble Summit mine at Noble Summit. VEIN No. 8. Thickness 5 ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "Pomeroy."

SALISBURY COAL CO., THE, Toledo, operates Hudson and Salisbury mines at Middleport. VEIN No. 8. Thickness 5 ft. Drifts. Machine mines. Daily capacity 400 tons. Trade name "Crown."

MORGAN COUNTY—County Seat, McConnelsville.

BALTIMORE & OHIO RAILROAD.

BLUE ROCK COAL CO., McConnellsville, operates Stones mine at Stones Station. VEIN No. 7. Thickness 4 ft. Drift. Pick mine. Daily capacity 75 tons. Trade name "Blue Rock."

ZANESVILLE & WESTERN RAILWAY.

CARDING COAL CO., THE, Columbus, operates Rose mine at Tropic. VEIN No. 6. Thickness 4 ft. Drift. Machine mine. Daily capacity 1000 tons. Trade name "Hiawatha."

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OHIO—Morgan County—Z. & W. Ry.—(Continued)

TROPIC MINING CO., THE, Toledo, operates Tropic mine at Tropic. VEIN Hocking No. 6. Thickness 4 ft. Drift. Machine mine. Daily capacity 1500 tons. Trade name "Tropic."

MUSKINGUM COUNTY—County Seat, Zanesville.

BALTIMORE & OHIO RAILROAD.

DUNCAN RUN COAL MINING CO., Detroit, Mich., operates Cadillac mine at Sealover. VEINS Nos. 6 and 7. Thickness 3 ft. 8 in. and 6 ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

VICTORIA COAL CO., Cleveland, operates Granger mine at Zanesville. VEIN No. 6. Thickness 4 ft. Drift. Machine mine. Daily capacity 400 tons. Analysis on file.

CINCINNATI & MUSKINGUM VALLEY RAILWAY—(PENNA LINES)

ELK COAL CO., THE, Columbus, operates Elk mine at Roseville. VEIN Hocking No. 6. Thickness 4 ft. Drift. Machine mine. Daily capacity 600 tons. Trade name "Famous Elk." Analysis on file.

OHIO RIVER & WESTERN RAILWAY.

FAIR OAKS COAL MINING CO., THE, Columbus, operates Fair Oaks mine at Zanesville. VEIN No. 7. Thickness 5 ft. Drift. Pick mine.

ZANESVILLE & WESTERN RAILWAY.

KRAMER BROS. COAL CO., New Straitsville, operates Brush Creek mine No. 16 at Cannelville. VEIN No. 7. Thickness 4 to 6 ft. Drift. Pick mine. Daily capacity 50 tons.

MAYNARD COAL CO., THE, Columbus, operates mine No. 38 at Cannelville. VEIN No. 6. Thickness 4 ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "Cannelville-Hocking."

MUSKINGUM COAL & RAILROAD CO., Zanesville, operates Abell mine at Buckeye. VEIN Hocking. Thickness 4 ft. Drift. Machine mine. Daily capacity 800 tons. Trade name "Jonathan Creek." Analysis on file.

McGARVEY COAL CO., THE J. A., Cannelville, operates McGarvey mine No. 12 at Cannelville. VEIN No. 6. Thickness 3½ ft. Slope. Pick mine. Daily capacity 175 tons.

PAN-AMERICAN COAL CO., THE, Newark, operates Pan-American mine No. 11 at Cannelville. VEIN No. 6. Thickness 4 ft. 7 in. Drift. Pick mine. Daily capacity 600 tons. Analysis on file.

WALNUT HILL COAL MINING CO., Detroit, Mich., operates Walnut Hill mine at Cannelville. VEIN No. 6. Thickness 4 ft. Drift. Machine mine. Daily capacity 400 tons.

NOBLE COUNTY—County Seat, Caldwell.

BALTIMORE & OHIO RAILROAD.

MORRIS COAL CO., THE, Cleveland, operates Cleveland mine at Cambridge. VEIN No. 7. Thickness 6 ft. Drift. Machine mine. Daily capacity 1000 tons.

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COAL-COKE

OHIO—Noble County—(Continued)

CLEVELAND & MARIETTA RAILWAY—(PENNA. LINES).

BELLE VALLEY COAL MINING CO., THE, Cambridge, operates Laura mine at Coal Ridge. VEIN No. 7. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 800 tons lump. Trade name "Laura."

GUERNSEY COAL & MINING CO., THE, Newark, operates Golden Rod mine at Coal Ridge. VEIN No. 7. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 350 tons. Analysis on file.

IMPERIAL MINING CO., THE, Chicago, Ill., operates Noble mine at Belle Valley. VEIN*. Thickness*. Shaft. Machine mine. Daily capacity 1200 tons.

OHIO RIVER & WESTERN RAILROAD.

COAL RUN COAL CO., THE, Cambridge, operates Coal Run mine at Hiramsburg. VEIN Meigs Creek. Thickness 4 ft. Drift. Pick mine. Daily capacity 50 tons.

PERRY COUNTY—County Seat, New Lexington.

BALTIMORE & OHIO RAILROAD.

COLUMBUS & HOCKING COAL & IRON CO., Columbus, operates mine No. 3 at Shawnee. VEIN No. 6. Thickness 12 ft. Drift. Machine mine. Daily capacity 1000 tons. Trade name "Kincaid." Analysis on file.

GIBBS, GEO. C., New Straitsville, operates Hazelton mine at Shawnee. (Also Z. & W. Ry.) VEIN No. 6. Thickness 7 to 12 ft. Drift. Machine mine. Daily capacity 250 tons.

NEW ENGLAND COAL CO., THE, Columbus, operates San Toy and Captain mines at Santoy. VEIN No. 6. Thickness 4 ft. Shafts. Machine mines. Daily capacity 1800 tons. Trade name "Santoy."

SHAWNEE COAL MINING CO., THE, Columbus, operates XX mine at Shawnee. (Also Z. & W. Ry.) VEIN No. 6. Thickness 11 ft. Drift. Machine mine. Daily capacity 600 tons. Analysis on file.

UPSON COAL & MINING CO., THE, Newark, operates Dixie mines at Dixie. VEIN No. 6. Thickness 3½ ft. Drift. Machine mine. Daily capacity 800 tons. Trade name "Dixie." Analysis on file.

CINCINNATI & MUSKINGUM VALLEY RAILWAY—(PENNA. LINES)

KENNON COAL & MINING CO., THE, Cleveland, operates New Crescent mine at Roseville. VEIN No. 6. Thickness 4 ft. Drift. Machine mine. Daily capacity 300 tons. Trade name "Thin Vein Hocking."

UNION COAL MINING CO., THE, Columbus, operates Union mine at Crooksville. VEIN No. 6. Thickness 4 ft. Drift. Machine mine. Daily capacity 1000 tons. Trade name "Hiawatha."

ZANESVILLE COAL CO., THE, Crooksville, operates Keystone mines Nos. 1, 2 and 3 at Crooksville. VEIN No. 6. Thickness 42 in. Drifts. Nos. 1 and 2 Machine mines, No. 3 Pick mine. Daily capacity 2000 tons. Trade name "Keystone."

*NOT REPORTED

The Baltimore & Ohio Coal Co.
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The Upson Coal & Mining Company

The Standard Scale & Supply Co.
CLEVELAND, PITTSBURGH *and* CHICAGO

OHIO—Perry County—(Continued)

DETROIT, TOLEDO & IRONTON RAILWAY.

GOSLINE & CO., W. A., Toledo, operates Bear Run mine at Gaston. VEIN No. 6. Thickness 3½ ft. Shaft. Machine mine. Daily capacity 500 tons. Trade name "Bear Run."

HOCKING VALLEY RAILWAY.

COLUMBUS & HOCKING COAL & IRON CO., Columbus, operates Kincaid mine at New Straitsville. VEIN No. 6. Thickness 12 ft. Drift. Machine mine. Daily capacity 1900 tons. Trade name "Kincaid." Analysis on file.

JONES COAL CO., THE, New Straitsville, operates mine No. 15 at New Straitsville. VEIN No. 6. Thickness 10 ft. Drift. Machine mine. Daily capacity 400 tons. Trade name "Peacock."

SINES BROS. & CO., THE, New Straitsville, operates mine No. 2 at New Straitsville. VEIN No. 6. Thickness 7 ft. Drift. Pick mine. Daily capacity 75 tons.

TOLEDO & OHIO CENTRAL RAILWAY.

CHAPMAN MINING CO., THE, Moxahala, operates Chapman mines Nos. 1 and 2 at Moxahala. VEIN Hocking. Thickness 4 ft. Drift and Slopes. Machine mines. Daily capacity 2000 tons.

SUNDAY CREEK CO., Columbus, operates mine No. 9 at Carrington, and mine No. 268 at Rendville. VEIN No. 6. Thickness 6 and 8 ft. respectively. Slopes. Machine mines. Daily Capacity 2100 tons.

ZANESVILLE & WESTERN RAILWAY.

DAVIS BROS. COAL CO., Shawnee, operates Davis mine at Shawnee. VEIN Thick Vein Hocking. Thickness 5½ ft. Drift. Machine mine. Daily capacity 300 tons.

GIBBS, GEO. C., operates Hazelton mine at Shawnee. (See B. & O. R. R.)

NEW PERRY COAL CO., THE, Somerset, operates Perry mine No. 1 at Redfield. VEIN No. 5. Thickness 3½ ft. Drift. Pick mine. Daily capacity 100 tons.

SHAWNEE COAL MINING CO., THE, Columbus, operates XX mine at Shawnee. (See B. & O. R. R.)

SIMONS & SON, A., Redfield, operates Chestnut Ridge mine No. 3 at Redfield. VEIN No. 5. Thickness 3½ to 4 ft. Drift. Machine mine. Daily capacity 200 tons.

SUNDAY CREEK CO., Columbus, operates mines Nos. 301 and 302 at Congo, VEIN No. 6. Thickness 8 and 6 ft. respectively. Shafts. Machine mines. Daily capacity 3000 tons.
Same Company operates mine No. 321 at Misco. VEIN No. 6. Thickness 4½ ft. Shaft. Machine mine. Daily capacity 500 tons.

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OHIO—(Continued)

PORTAGE COUNTY—County Seat, Ravenna.

LAKE ERIE, ALLIANCE & WHEELING RAILROAD.

HUTSON COAL CO., THE, Cleveland, operates Deerfield and Palmyra mines at Davis and Deerfield. VEIN No. 1. Thickness 4 ft. Shafts. Machine and Pick mines. Daily capacity 400 tons. Trade names "Palmyra Block," "Crystal Cannel," and "Deerfield." Analysis on file.

SOUTH PALMYRA COAL CO., THE, Cleveland, operates Mullins mine at Deerfield. VEIN No. 1. Thickness 3½ ft. Shaft. Machine mine. Daily capacity 400 tons. Trade name "South Palmyra Block." Analysis on file.

SCIOTA COUNTY—County Seat, Portsmouth.

BALTIMORE & OHIO SOUTHWESTERN RAILROAD.

MORGAN & HORTON, Eifort, operates mine at Eifort. VEIN No. 4. Thickness 3 ft. Drift. Pick mine. Daily capacity 100 tons. Trade name "Eifort."

STARK COUNTY—County Seat, Canton.

BALTIMORE & OHIO RAILROAD.

MASSILLON COAL MINING CO., THE, Cleveland, operates mine No. 13 near Massillon. VEIN Massillon. Thickness varies. Shaft. Pick mine. Daily capacity 200 tons. Trade name "Massillon." Analysis on file.

MASSILLON CRYSTAL COAL CO., THE, Massillon, operates Crystal mine at Massillon. (Also P. Ft. W. & C. Ry.) VEIN No. 1. Thickness 4½ ft. Shaft. Pick mine. Daily capacity 100 tons. Analysis on file.

POCOCK COAL CO., THE, Massillon, operates Pocock mine No. 3 at Greenville. (Also W. & L. E. R. R.) VEIN No. 1. Thickness 5 ft. Shaft. Machine and Pick mine. Daily capacity 600 tons. Trade name "Famous Massillon."

TAGGART COAL CO., Massillon, operates Taggart mine No. 3 at Massillon. VEIN No. 2. Thickness 4 to 5 ft. Shaft. Pick mine. Daily capacity 150 tons. Trade name "Taggart."

TUCKER, C. H., Cleveland, operates Nimishilling Coal & Mineral Co.'s mine at North Industry. VEIN No. 4. Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons.

CLEVELAND, AKRON & COLUMBUS RAILWAY—(PENNA. LINES)

PITTSBURGH & OHIO MINING CO., THE, Cleveland, operates the Beechwood Massillon Coal Company's Beechwood mine at Manchester. VEIN No. 1. Thickness 4 ft. 10 in. Shaft. Machine mine. Daily capacity 350 tons, screened lump. Trade name "Beechwood."

LAKE ERIE, ALLIANCE & WHEELING RAILROAD.

JONES BROS., Alliance, operates Crescent mine at Paris. VEIN No. 5. Thickness 3½ ft. Slope. Pick mine. Daily capacity 120 tons.

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SALES AGENTS . . .

CLEVELAND, OHIO

THE MASSILLON COAL MINING COMPANY

OHIO—Stark County—(Continued)

PITTSBURGH, FORT WAYNE & CHICAGO RAILWAY—(PENNA. LINES.)

MASSILLON COAL MINING CO., THE, Cleveland, operates mine No. 20 near Massillon. VEIN Massillon. Thickness varies. Shaft. Machine and Pick Mine. Daily capacity 250 tons. Trade name "Massillon." Analysis on file.

MASSILLON CRYSTAL COAL CO., THE, Massillon, operates Crystal mine at Massillon. (See B. & O. R. R.)

MINGLEWOOD MASSILLON COAL CO., Cleveland, operates Crute mine at Lawrence. VEIN Massillon. Thickness 4 ft. Slope. Pick mine. Daily capacity 400 tons. Trade name "Minglewood-Massillon."

WHEELING & LAKE ERIE RAILROAD.

MASSILLON COAL MINING CO., THE, Cleveland, operates mine No. 12 near Massillon. VEIN Massillon. Thickness varies. Shaft. Machine and pick mine. Daily capacity 400 tons. Trade name "Massillon." Analysis on file.

MASSILLON CITY COAL CO., THE, Massillon, operates Massillon City mine No. 4 at Greenville. VEIN No. 1. Thickness 5 ft. Shaft. Pick mine. Daily capacity 300 tons. Trade name "Famous Massillon."

MASSILLON ELM RUN COAL CO., Cleveland, operates Elm Run mines No. 5 at Justus and No. 7 at Navarre. VEIN No. 1. Thickness 5 ft. Shafts. Pick mines. Daily capacity 650 tons. Trade name "Elm Run."

POCOCK COAL CO., THE, Massillon, operates Pocock mine No. 3 at Greenville. (See B. & O. R. R.)

STEINER COAL CO., THE, Canton, operates Indian Run mine at Waynesburg. VEIN No. 6. Thickness 4 ft. Drift. Pick mine. Daily capacity 500 tons.

SUMMIT COUNTY—County Seat, Akron.

CLEVELAND, AKRON & COLUMBUS RAILWAY—(PENNA. LINES)

BREWSTER COAL CO., Akron, operates Turkey Foot mine at Clinton. VEIN No. 1. Thickness 3 to 5 ft. Slope. Pick mine. Daily capacity 200 tons. Trade name "Turkey Foot."

TUSCARAWAS COUNTY—County Seat, New Philadelphia.

BALTIMORE & OHIO RAILROAD.

GOSHEN COAL CO., THE, Cleveland, operates Beaver Dam mine No. 2 at Midvale. VEIN No. 6. Thickness*. Shaft. Machine and Pick mine.

GOSHEN VALLEY COAL CO., THE, Massillon, operates Goshen Valley mines Nos. 2 and 3 at Beidler. VEIN No. 6. Thickness 4 to 5 ft. Slopes. Pick mines. Daily capacity 350 tons. Trade name "Goshen."

Same Company operates Goshen Valley mine No. 4 at Beidler. VEIN No. 6. Thickness 4 ft. 10 in. Slope. Pick mine. Daily capacity 125 tons. Trade name "Original Goshen."

*NOT REPORTED

THE STEINER COAL CO.

MINERS AND SHIPPERS

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THE H. S. ODBERT COAL COMPANY

Exclusive . . . Sales Agents The Minglewood-Massillon Coal Co.

Rockefeller Bldg. - . CLEVELAND, OHIO

HEART OF THE DISTRICT COAL

OHIO—Tuscarawas County—B. & O. R. R.—(Continued)

HOLDEN, C. EDWARDS, Mineral City, operates South Side Huff Run mine at Mineral City. VEIN No. 5. Thickness 3½ ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "South Side Massillon."
Same Party operates North Side Huff Run mine at Mineral City. (Also C. & P. R. R.) VEIN No. 5. Thickness 3 to 5 ft. Drift. Pick mine. Daily capacity 40 to 50 tons. Trade name "Newbury Coal."

MARKLEY, GEO. J., Mineral City, operates Acme mine at Mineral City. VEIN No. 5. Thickness 3½ ft. Drift. Pick mine. Daily capacity 150 tons.

MIDVALE GOSHEN COAL CO., THE, Cleveland operates mines Nos. 4, 6 and 7 at Wainwright. VEIN No. 6. Thickness 4½ ft. Drifts and Slopes. Machine and Pick mines. Daily capacity 1200 tons. Trade name "Gilt Edge Wainwright."

NUNGESSER COAL CO., Beidler, operates Morey Ridge mine at Beidler. VEIN No. 6. Thickness 4½ ft. Drift. Pick mine. Daily capacity 50 tons.

RIDGEWAY BURTON CO., Cleveland, operates Huff Run mine at Mineral City. VEIN No. 5. Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "Huff Run."

ROYAL GOSHEN COAL CO., New Philadelphia, operates Royal mine No. 2, Rosebud mine No. 3 and Hazelton mine No. 4 at New Philadelphia and Brock Hill mine No. 5 at Barnhill. VEIN No. 6. Average thickness 4½ ft. Drifts. Pick mines. Daily capacity 1050 tons.

CLEVELAND & MARIETTA RAILWAY—(PENNA. LINES)

GOSHEN COAL CO., THE, Cleveland, operates West Goshen mine at Joyce. VEIN No. 6. Thickness 5 ft. Drift. Machine and Pick mine. Daily capacity 500 tons. Trade name "Goshen."

NOVELTY BRICK & COAL CO., THE, Newcomerstown, operates mines Nos. 1 and 2 at Newcomerstown. VEIN No. 6. Thickness 3½ ft. Drifts. Machine mines. Daily capacity 250 tons. Analysis on file.

CLEVELAND & PITSBURGH RAILROAD—(PENNA. LINES)

GOSHEN CENTRAL COAL CO., THE, Massillon, operates Goshen Central mine at New Philadelphia. VEIN No. 6. Thickness*. Drift. Machine and Pick mine.

GOSHEN COAL CO., THE, Cleveland, operates Beaver Dam mine No. 1, and Goshen Hill mine at Roswell. VEIN No. 6. Thickness*. Shaft. Machine and Pick mine.
Same Company operates mines Nos. 1 and 2 at Roswell. VEIN No. 6. Thickness 4½ ft. Drift and Slope. Machine and Pick mines. Daily capacity 1000 tons. Trade name "Goshen."
Same Company operates Goshen shaft at Roswell. VEIN No. 6. Thickness 4½ ft. Shaft. Machine and Pick mine. Daily capacity 600 tons. Trade name "Goshen."
Same Company operates Goshen Hill mine at New Philadelphia. VEIN No. 6. Thickness 4 ft. Drift. Pick mine. Trade name "Goshen Hill."

* NOT REPORTED

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OHIO——Tuscarawas County—C. & P. R. R.—(Continued)

HOLDEN, C. EDWARDS, Mineral City, operates North Side Huff Run mine at Mineral City. (See B. & O. R. R.)

MULLINS COAL CO., THE JAMES, Cleveland, operates Mullins mine at New Philadelphia. VEIN No. 6. Thickness 4½ ft. Drift. Machine mine. Daily capacity 700 tons. Trade name "Superior Goshen."

PITTSBURGH, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY.—(PENNA. LINES.)

DENNISON MINING CO., THE, Dennison, operates Twin City mine at Dennison. VEIN No. 6. Thickness 4 to 4½ ft. Drift. Pick mine. Daily capacity 200 tons. Trade name 'Goshen."

HIAWATHA COAL CO., THE, Cleveland, operates Indian Hill mine at Uhrichsville. VEIN No. 6. Thickness 4 ft. 4 in. Drift. Machine mine. Daily capacity 500 tons. Trade name "Indian Hill."

WHEELING & LAKE ERIE RAILROAD.

MASSILLON TUSCARAWAS COAL CO., THE, Massillon, operates Central Valley mine No. 2 at New Cumberland. VEIN No. 6. Thickness 4 ft. Drift. Machine mine. Daily capacity 400 tons. Trade name "Central Valley."

SOMERDALE COAL CO., THE, Cleveland, operates mine No. 1 at Somerdale. VEIN No. 6. Thickness 4 ft. Drift. Pick mine. Daily capacity 300 tons.

VINTON COUNTY—County Seat, McArthur.

HOCKING VALLEY RAILWAY.

LAWLER & SON, Columbus, operates Lawler mine at Minerton. VEIN Jackson No. 4. Thickness 4 ft. Drift. Machine mine. Daily capacity 250 tons. Analysis on file.

MOHR-MINTON COAL CO., THE, Columbus, operates Mohr-Minton mine at McArthur. VEIN Newlun. Thickness 6 ft. Drift. Machine mine. Trade name "Newlun Ridge Splint." Analysis on file.

STAR COAL CO., Logan, operates Star mine at Hawks. VEIN*. Thickness*. Slope. Pick mine. Daily capacity 100 tons.

WAYNE COUNTY—County Seat, Wooster.

CLEVELAND, AKRON & COLUMBUS RAILWAY—(PENNA. LINES)

MASSILLON ELM RUN COAL CO., Cleveland, operates Elm Run mine No. 9 at Clinton. VEIN No. 1. Thickness 4½ ft. Shaft. Pick mine. Daily capacity 400 tons. Trade name "Elm Run."

* NOT REPORTED

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OHIO—Wayne County—C. A. & C. Ry.—(Continued)

WEST LEBANON COAL CO., Cleveland, operates Lebanon mine No. 2 at West Lebanon. VEIN No. 1. Thickness 5 ft. Slope. Pick mine. Daily capacity 300 tons. Trade name "West Lebanon."

ERIE RAILROAD.

MASSILLON ELM RUN COAL CO., Cleveland, operates Elm Run mine No. 10 at Doylestown. VEIN No. 1. Thickness 5 ft. Shaft. Pick mine. Daily capacity 300 tons. Trade name "Elm Run."

MASSILLON ELM RUN COAL CO., Cleveland, operates Elm Run mine No.

MASSILLON COAL MINING CO., THE, Cleveland, operates mines Nos. 22 and 23 near Massillon. (Also W. & L. E. R. R.) VEIN Massillon. Thickness varies. Shafts. Pick and Machine, and Pick mines, respectively. Daily capacity 800 tons. Trade name "Massillon." Analysis on file.

WHEELING & LAKE ERIE RAILROAD.

MASSILLON COAL MINING CO., THE, Cleveland, operates mines Nos. 14 and 21 near Massillon. VEIN Massillon. Thickness varies. Shafts. Pick mines Daily capacity 450 tons. Trade name "Massillon." Analysis on file.

Same Company operates mines Nos. 22 and 23 near Massillon. (See P. Ft. W. & C. R. W.)

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PENNSYLVANIA

Index of Veins, showing Counties in which they are found.

Vein	County
"A" or Brookville	Blair—Centre—Clarion—Jefferson—Mercer—Somerset
"B" or Miller	Blair—Cambria—Centre—Clearfield—Indiana—Lawrence—Lycoming—Somerset—Westmoreland
"C" Prime or Cement	Cambria—Clearfield—Somerset
"D" or Moshannon	Cambria—Clearfield—Indiana—Somerset
"E" or Lemon	Blair—Cambria—Clearfield—Indiana—Jefferson—Somerset
No. 6	Beaver
Barnett	Bedford—Huntington
Beaver	Jefferson
Blossburg	Tioga
Brier Hill Block	Mercer
Brookville or "A"	Blair—Centre—Clarion—Jefferson—Mercer—Somerset
Cannel	Armstrong—Butler
Clarion	Butler—Clarion
Connellsville	Fayette—Washington—Westmoreland
Cumberland Big Vein	Somerset
Freeport	Allegheny—Armstrong—Butler—Clearfield Indiana—Mercer—Westmoreland
Fulton	Bedford—Huntingdon
Kelly	Bedford—Huntingdon
Kittanning	Armstrong—Butler—Clarion—Clinton—Westmoreland
Lemon or "E"	Cambria—Clearfield—Indiana—Jefferson—Somerset
Lower Freeport	Allegheny—Armstrong—Bedford—Cambria—Cameron—Clarion—Clearfield—Elk—Jefferson—Westmoreland
Lower Kittanning	Armstrong—Clarion—Elk—Jefferson—Somerset
Middle Kittanning	Butler
Miller or "B"	Blair—Cambria—Centre—Clearfield—Indiana—Lawrence—Lycoming—Somerset—Westmoreland
Monongahela River	Fayette
Pittsburg	Allegheny—Fayette—Greene—Indiana—Somerset—Washington—Westmoreland
Platt	Somerset
Price	Somerset
Redstone	Somerset
Sewickley	Fayette
Sonman Basin	Cambria
South Fork Miller	Cambria
Upper Freeport	Allegheny—Armstrong—Butler—Fayette—Indiana—Jefferson—Westmoreland
Upper Kittanning	Bedford—Cambria—Clarion
Sewickley	Fayette

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PENNSYLVANIA

ALLEGHENY COUNTY—County Seat, Pittsburgh.

BESSEMER & LAKE ERIE RAILROAD.

BESSEMER COAL & COKE CO., Pittsburgh, operates Bessemer mine No. 1 at Russellton. VEIN Freeport. Thickness 7 ft. Shaft. Machine mine. Daily capacity 2000 tons. Trade name "Russellton." Analysis on file.

FORD COLLIERIES CO., Detroit, Mich., operates Francis and Benjamin mines at Curtis. VEIN Freeport. Thickness 6 ft. Shafts and Slopes. Machine mines. Daily capacity 5000 tons.

MIFFLIN COAL CO., Pittsburgh, operates Mifflin mines Nos. 1 and 2 at Duquesne. VEIN Pittsburgh. Thickness 5½ ft. Drifts. Machine and Pick mines. Daily capacity 1100 tons.

NEW YORK & CLEVELAND GAS COAL CO., Pittsburgh, operates Oak Hill mine No. 5 at Gascola. VEIN Pittsburgh. Thickness 5 ft. Drift. Pick mine. Daily capacity 600 tons. Analysis on file.

Same Company operates Oak Hill mine No. 3 at Turtle Creek. (Also P. R. R.) VEIN Pittsburgh. Thickness 5 ft. Drift. Pick mine. Daily capacity 1500 tons. Analysis on file.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

ALLEGHENY COAL CO., THE, Cleveland, Ohio, operates Harwick mine near Cheswick. VEIN Upper Freeport. Thickness 6½ ft. Shaft. Machine and Pick mine. Daily capacity 2000 tons. The Pittsburgh & Ohio Mining Co., Cleveland, Ohio, Exclusive Sales Agents.

CORNELL COAL CO., Freeport, operates Hite mine at Glassmere Station. VEIN Thick Vein Freeport. Thickness 6 ft. Slope. Machine mine. Daily capacity 1500 tons. Analysis on file.

CRESCENT COAL CO., Pittsburgh, operates Peters Creek mines Nos. 1, 2 and 3 at Epton. VEIN Pittsburgh. Thickness 5½ ft. Drifts. Machine and Pick mines. Daily capacity 1500 tons. Analysis on file.

McFETRIDGE BROS., Creighton, operates mine at Creighton. VEIN Freeport. Thickness 6 ft. Drift. Pick mine. Daily capacity 600 tons.

McKEAN COAL CO., Tarentum, operates McKean mine at Tarentum. VEIN Freeport. Thickness 7 ft. Drift. Machine mine. Daily capacity 1000 tons.

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PENNSYLVANIA—Allegheny County—P. R. R.—(Continued)

NEW YORK & CLEVELAND GAS COAL CO., Pittsburgh, operates Duquesne mine at Edgewood. VEIN Pittsburgh. Thickness 5 ft. Drift. Pick mine. Daily capacity 130 tons. Analysis on file.

Same Company operates Oak Hill mine No. 3 at Turtle Creek. (See B. & L. E. R. R.)

Same Company operates Sandy Creek mine at Sandy Creek and Plum Creek mine at Unity. VEIN Pittsburgh. Thickness 5 and 6 ft. respectively. Drifts. Pick mines. Daily capacity 1800 tons. Analysis on file.

PENNSYLVANIA SALT MFG. CO., Natrona, operates mine No. 1 at Natrona. VEIN Freeport. Thickness 3½ to 4 ft. Drift. Machine mine. Daily capacity 800 tons.

PITTSBURGH PLATE GLASS CO., Pittsburgh, operates Creighton Coal Works at Creighton. VEIN Lower Freeport. Thickness 6 ft. Drift. Machine mine. Daily capacity 1500 tons. Trade name "Creighton." Analysis on file.

YOUGHIOGHENY & OHIO COAL CO., THE, Cleveland, Ohio, operates Thompson mine at Epton. VEIN Pittsburgh.

PITTSBURGH, CHARTIERS & YOUGHIOGHENY RAILWAY.

OLLETT BROTHERS, Presto, operate Essen mine No. 1 at Essen. VEIN Pittsburgh. Thickness 5 ft. Drift. Pick mine. Daily capacity 450 tons.

STEEN COAL CO., Woodville, operates Willa mine No. 1 at Presto. VEIN Pittsburgh. Thickness 5 ft. Drift. Machine and Pick mine. Daily capacity 400 tons. Trade name "Willa."

PITTSBURG, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY—(PENNA. LINES.)

CARNEGIE COAL CO., Pittsburgh, operates Oakdale mine at Oakdale, and Carnegie mine at Carnegie. VEIN Pittsburgh. Thickness 5ft. Drifts. Machine mines. Daily capacity 2400 tons. Trade name "Carnegie." Analysis on file.

FAYETTE COAL CO., THE, Pittsburgh, operates Chalfant mine at Noblestown. VEIN Pittsburgh. Thickness 5 to 5½ ft. Drift. Machine and Pick mine. Daily capacity 1200 to 1500 tons. Trade name "Chalfant." Analysis on file.

KIRKBRIDE COAL CO., Carnegie, operates Kirkbride mine at Noblestown. VEIN Pittsburgh. Thickness 5 ft. Incline. Machine and Pick mine. Daily capacity 450 tons. Analysis on file.

McCLANE COAL CO., Bridgeville, operates Katie mine at Bridgeville. VEIN Pittsburgh. Thickness 5½ ft. Drift. Machine mine. Daily capacity 600 tons. Analysis on file.

McDONALD COAL CO., McDonald, operates Willow Grove mine at Sturgeon. VEIN Pittsburgh. Thickness 5½ ft. Drift. Machine and Pick mine. Daily capacity 400 tons. Trade name "Willow Grove."

NATIONAL MINING CO., Pittsburgh, operates National mine No. 1 at Sygan and No. 2 at Traveskyn. VEIN Pittsburgh. Thickness 5 ft. 4 in. Slopes. Machine mines. Daily capacity 4000 tons.

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PENNSYLVANIA—Allegheny County—P. C. C. & St. L. Ry.—(Continued)

PITTSBURGH & LAKE ERIE RAILROAD.

BLAINE COAL CO., Pittsburgh, operates Blaine mine at Lock No. 3. VEIN Pittsburgh. Thickness 6½ ft. Drift. Machine mine. Daily capacity 3000 tons. Analysis on file.

LAKE SHORE GAS COAL CO., Suterville, operates Dravo mine at Dravo. VEIN Pittsburgh. Thickness 5 ft. 8 in. Drift. Machine mine. Daily capacity 400 tons. Analysis on file.

WEST SIDE BELT RAILROAD.

PITTSBURGH TERMINAL RAILROAD & COAL CO., Pittsburgh, operates mines Nos. 1, 2 and 3 at Castle Shannon. VEIN Pittsburgh. Thickness 5½ ft. Shafts. Machine mines. Daily capacity 7500 tons. Trade name "Saw Mill Run."

Same Company operates mines Nos. 4 and 5 at Horning. VEIN Pittsburgh. Thickness 5½ ft. Shafts. Machine mines. Daily capacity 5000 tons. Trade name "Youghiogheny."

Same Company operates mine No. 6 at Horning and No. 7 at Large. VEIN Pittsburgh. Thickness 5½ ft. Drifts. Machine mines. Daily capacity 6000 tons. Trade name "Youghiogheny."

ARMSTRONG COUNTY—County Seat, Kittanning.

BUFFALO, ROCHESTER & PITTSBURGH RAILWAY.

DAYTON COAL CO., Punxsutawney, operates Dayton mine at Dayton. VEIN Upper Freeport. Thickness 4½. Drift. Machine mine. Daily capacity 600 tons. Analysis on file.

SUMMIT COAL CO., Punxsutawney, operates Summit mine at Dayton. VEIN Lower Freeport. Thickness 5 ft. Drift. Machine mine. Daily capacity 600 tons. Analysis on file.

BUFFALO & SUSQUEHANNA RAILROAD.

BUFFALO & SUSQUEHANNA COAL & COKE CO., Buffalo, operates Sagamore mine at Sagamore. VEIN Upper Freeport. Thickness 5 ft. Drift. Machine mine. Daily capacity 10000 tons.

PENNSYLVANIA RAILROAD—(PENNA. LINES).

BEALE, JOS. G. & CO., Leechburg, operates Beale mine at Leechburg. VEIN Upper Freeport. Thickness 4 ft. Drift. Machine mine. Daily capacity 800 tons.

Same Company operates Aladdin mine at Aladdin. VEIN Upper Freeport. Thickness 4 ft. Drift. Pick mine. Daily capacity 300 tons.

CLARK COAL & COKE CO., Pittsburgh, operates Clark's mine at Freeport. (Also Butler Co.) VEIN Freeport. Thickness 4 ft. Drift. Pick mine. Daily capacity 300 tons. Analysis on file.

FAIRMONT COAL CO., Buffalo, N. Y., operates Fairmont mine No. 6 at Bostonia. VEIN Upper Freeport. Thickness 4 ft. Drift. Machine and Pick mine. Daily capacity 600 tons.

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PENNSYLVANIA—Armstrong County—P. R. R.—(Continued)

Same Company operates Fairmont mine No. 8 at Bostonia. VEIN Cannel. Thickness 11 ft. Drift. Machine mine. Daily capacity 500 tons.

GLENDALE COAL CO., Inc., Meyersdale, operates Glen mines Nos. 1 and 2 at Kelly Station. VEIN Freeport. Thickness 4 ft. Drifts. Pick mines. Daily capacity 200 tons. Analysis on file.

KERR COAL CO., Freeport, operates Kerr mines Nos. 2 and 8 at Freeport. VEIN Upper Freeport. Thickness 3½ ft. Machine mines. Daily capacity 1400 tons. Analysis on file.

LOGANSPORT COAL CO., Logansport, operates Bethel mine at Logansport. VEIN Freeport. Thickness 4 ft. Drift. Machine mine. Daily capacity 300 tons. Analysis on file.

MAHER COAL & COKE CO., Blairsville, operates Maher mine No. 4 at Leechburg. VEIN Upper Freeport. Thickness 3 ft. 8 in. Drift. Pick mine. Daily capacity 300 tons.

OAK RIDGE MINING CO., Buffalo, N. Y., operates Oak ridge mine at Oak Ridge. VEIN Upper Freeport. Thickness 4½ ft. Drift. Pick mine. Daily capacity 500 tons. Analysis on file.

PITTSBURGH PLATE GLASS CO., Pittsburgh, operates Mosgrove Coal Works at Mosgrove. VEINS Upper Freeport and Lower Kittanning. Thickness 3½ and 4 ft. respectively. Drift. Machine mine. Daily capacity 500 tons. Trade name "Mosgrove." Analysis on file.

PROVIDENT COKE & MINING CO., Kelly Station, operates Provident mine at Kelly Station. VEIN Freeport. Thickness 3½ ft. Drift. Machine mine. Daily capacity 400 tons. Trade name "Provident." Analysis on file.

WEST PENN COAL MINING CO., Philadelphia, operates West Penn mine at Apollo. VEIN Lower Kittanning, 'B.' Thickness 4 ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "West Penn No. 1."

WIDNOON COAL MINING CO., Reynoldsville, operates Widnoon mine at Lawsonham. VEIN Kittanning. Thickness 4 to 5 ft. Drift. Machine mine. Daily capacity 1000 tons.

WESTERN ALLEGHENY RAILROAD.

GREAT LAKES COAL CO., Pittsburgh, operates Barnhart and Kincaid mines at Kaylor. VEIN Upper Freeport. Thickness 40 in. Drifts. Machine mines. Daily capacity 1100 tons. Trade names "Summit" and "Kincaid." Analysis of Barnhart mine on file.
Same Company operates Kaylor, Snow Hill and Pine Run mines at Kaylor. VEIN Lower Kittanning. Thickness 3½ ft. Slope and Drifts. Machine mines. Daily capacity 3000 tons. Trade name "Kaylor." Analysis on file.

BEAVER COUNTY—County Seat, Beaver.

PITTSBURGH, LISBON & WESTERN RAILROAD.

FRANCIS & PROSSER COAL CO., THE, Cannelton, operates Sterling mine at Cannelton. VEIN No. 6. Thickness 4 ft. 4 in. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

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PENNSYLVANIA—(Continued)

BEDFORD COUNTY—County Seat, Bedford.

HUNTINGDON & BROAD TOP RAILROAD.

BROWN, E. C., Patton, operates mines Nos. 2 and 3 at Defiance. VEIN Kelley or Lower Freeport. Thickness 3 ft. 8 in. to 5 ft. Drifts. Pick mines. Daily capacity 200 to 300 tons. Analysis on file.

CARBON COAL & COKE CO., THE, Boston, Mass., operates Cambria mine No. 3 at Langdondale. VEIN Kelly. Thickness 5 ft. Shaft. Pick mine. Daily capacity 500 tons.

COLONIAL IRON CO., Riddlesburg, operates Judith mine at Riddlesburg. VEIN Kelly. Thickness 4 ft. Slope. Pick mine. Daily capacity 400 tons.

COMMERCIAL COAL MINING CO., Philadelphia, operates Commercial Colliery No. 1 at Six Mile Run. VEIN Kelly. Thickness 3 ft. 10 in. Drift. Pick mine. Daily capacity 500 tons.

HIGHLAND COAL MINING CO., Philadelphia, operates Highland mine at Six Mile Run. VEIN Fulton. Thickness*. Drift. Pick mine. Daily capacity 500 tons. Trade name "Highland." Analysis on file.

KENMAR COAL CO., Patton, operates mines Nos. 1 and 2 at Defiance. VEIN Kelly. Thickness 3 ft. 8 in. to 4½ ft. Drifts. Pick mines. Daily capacity 200 tons. Analysis on file.

LANGDON, JOHN, Huntingdon, operates Glendale mine No. 2 at Hopewell. VEIN Barnet. Thickness 3 ft. Drift. Pick mine. Daily capacity 100 tons. Trade name "Chevington." Analysis on file.

Same Company operates Cambria and Glendale mines No. 1, Duval Nos. 1 and 2 and Chevington No. 2 at Hopewell. VEIN Kelly. Thickness 4 ft. Drifts and Slopes. Pick mines. Daily capacity 600 to 800 tons. Trade name "Chevington." Analysis on file.

SCHIPPER BROS. COAL MINING CO., Boston, Mass., operates Ladysmith mines Nos. 1, 2, 3, 4, 5, and 6 at Six Mile Run. VEINS Fulton and Barnet. Thickness 6 and 3 ft. respectively. Drifts and Inclines. Pick mines. Trade name "Juniata Smokeless." Analysis on file.

THROPP, JOSEPH E., Everett, operates Kearney slope at Kearney. VEINS Upper Kittanning. Thickness 4 ft. Slope. Machine and Pick mine. Daily capacity 450 tons. Analysis on file.

BLAIR COUNTY—County Seat, Hollidaysburg.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

ALTOONA COAL & COKE CO., Altoona, operates Horse Shoe mine at Horse Shoe. VEIN Miller (B). Thickness 2½ ft. Drift. Pick mine. Daily capacity 150 tons. Trade name "Horse Shoe." Analysis on file.

Same Company operates Delaney mine No. 6 at Horse Shoe. VEIN Brookville (A). Thickness 5½ ft. Slope. Pick mine. Daily capacity 100 tons. Trade name "Raven."

* NOT REPORTED

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PENNSYLVANIA—Blair County—P. R. R.—(Continued)

ANDA COAL CO., Houtzdale, operates Mountain Branch mine "A" in Rush Township. VEIN "A." Thickness 6 ft. Drift. Pick mine. Daily capacity 100 tons.

BRADLEY, F. X., COAL CO., Gallitzin, operates mine No. 4 at Bennington. VEIN "B." Thickness 4½ ft. Slope. Pick mine. Daily capacity 100 tons.

BRADLEY & REED, Gallitzin, operates mine No. 1 at Bennington. VEIN "B." Thickness 3 ft. Drift. Pick mine. Daily capacity 100 tons. Analysis on file.

GLEN WHITE COAL & LUMBER CO., Glen White, operates Glen White mines Nos. 1 and 2 at Glen White. VEINS 'B' and 'E.' Thickness 3½ ft. and 4 ft. respectively. Drifts. Pick mines. Daily capacity 800 tons.

TUNNEL COALING CO., Greensburg, operates mine No. 1 at Gallitzin. VEIN Lemon or "E." Thickness*. Drift. Machine and Pick mine.

BUTLER COUNTY—County Seat, Butler.

BALTIMORE & OHIO RAILROAD.

CUNNINGHAM COAL CO., Chicora, operates Chicora mine at Chicora. VEIN Upper Freeport. Thickness 4 ft. Drift. Pick mine. Daily capacity 300 tons. Analysis on file.

SHERWIN, P. D., Butler, operates Enterprise and Sherwin mines at Karns City and Sherwin respectively. (Also B. & L. E. R. R.) VEIN Kittanning. Thickness 2 ft. 8 in. and 4½ ft. respectively. Drifts. Machine and Pick mines. Daily capacity 600 tons. Analysis on file.

BESSEMER & LAKE ERIE RAILROAD.

BESSEMER & LAKE ERIE COAL MINING CO., Pittsburgh, operates Jefferson mine No. 1 at Keenan. VEIN Clarion. Thickness 5 to 6 ft. Drift. Machine mine. Daily capacity 400 tons.

BUTLER COAL & COKE CO., Butler, operates Butler mine at Jamisonville Station. VEIN Freeport. Thickness 3 ft. 8 in. Drift. Machine mine. Daily capacity 200 tons.

BUTTS CANNEL COAL CO., Cleveland, Ohio, operates Bessemer mine at Deegan. VEIN Brookville "A." Thickness 5 ft. Drift. Machine mine. Daily capacity 1000 tons.

Same Company operates Blue Grass mine at Deegan. VEIN Cannel. Thickness*. Incline. Pick mine. Daily capacity 250 tons. Trade name "Blue Grass."

ERIE COAL & COKE CO., Ferris, operates Keystone mine at Ferris. VEIN Freeport. Thickness 4½ ft. Drift. Machine mine. Daily capacity 350 tons.

LOCHRIE BROS. COAL CO., Windber, operates Pennsylvania Mine No. 1 at Butler. VEIN*. Thickness 4 ft. Drift. Machine mine. Daily capacity 400 tons.

MAINES COAL CO., Butler, operates mine at Butler. VEIN Freeport. Thickness 3 ft. Slope. Pick mine. Daily capacity 100 tons.

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PENNSYLVANIA—Butler County—B. & L. E. R. R.—(Continued)

MIZENER COAL CO., Erie, operates Grant mine at Claytonia. VEIN Kittanning. Thickness*.

MUTUAL COAL MINING CO., Grove City, operates Royle mine at Argentine. VEIN Brookville. Thickness 4 ft. Drift. Machine mine. Daily capacity 350 tons. Analysis on file.

NELLIE COAL CO., Buffalo, N. Y., operates Nellie mine at Argentine. VEIN Brookville "B." Thickness 3 ft. 8 in. Slope. Machine mine. Daily capacity 300 tons.

SCOTT COAL CO., THE W. L., Erie, operates Branchton mine at Branchton. VEIN Brookville. Thickness 4 ft. Drift. Machine mine. Trade name "Branchton." Analysis on file.

SHENANGO COAL CO., New Castle, operates Shenango mine at Grove City. VEIN Brookville. Thickness 3 ft. 8 in. Shaft. Machine mine. Daily capacity 350 tons. Trade name "Shenango." Analysis on file.

SHERWIN, P. D., Butler, operates Enterprise and Sherwin mines at Karns City and Sherwin respectively. (See B. & O. R. R.)

STAGE & SON, G. G., Greenville, operates Stage mine at Claytonia. VEIN Middle Kittanning. Thickness 3 ft. Drift. Machine mine. Daily capacity 200 tons.

STANDARD COAL MINING CO., Grove City, operates Standard mine at Argentine. VEIN Brookville. Thickness 4 ft. 2 in. Drift. Pick mine. Daily capacity 350 tons.

WILDWOOD COAL CO., Boyers, operates Wildwood mine at Annandale. VEIN Clarion. Thickness 5½ ft. Drift. Pick mine. Daily capacity 150 tons.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

CLARK COAL & COKE CO., Pittsburgh, operates Clark's mine at Freeport. (See Armstrong Co., P. R. R.)

SHARON COAL & LIMESTONE CO., Pittsburgh, operates mines Nos. 3 and 4 at Slippery Rock. VEIN Kittanning. Thickness 3 ft. Drift. Pick mine. Daily capacity 600 tons.

WESTERN ALLEGHENY RAILROAD.

SHERWIN, S., Karns City, operates Kincaid mine at Fairmont. VEIN Freeport. Thickness 4 ft. Drift and Slope. Machine mine. Daily capacity 300 tons. Trade name "Kincaid." Analysis on file.

CAMBRIA COUNTY—County Seat, Ebensburg.

BALTIMORE & OHIO RAILROAD.

CITIZENS COAL CO., Johnstown, operates Dale, Green Hill and Gautier mines at Johnstown. (Also P. R. R.) VEINS "C" Prime, and "B" or Miller. Thickness 3½ and 4 ft. respectively. Drifts and Slopes. Pick mines. Daily capacity 500 tons.

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PENNSYLVANIA—Cambria County—B. & O. R. R.—(Continued)

INGLESIDE COAL CO., Johnstown, operates Ingleside mine at Walsall. VEIN "B" or Miller. Thickness 4 ft. Drift. Pick mine. Daily capacity 500 tons. Analysis on file.

SUNNYSIDE COAL CO., Johnstown, operates Sunnyside mine at Johnstown. (Also P. R. R.) VEIN "C" Prime or Cement. Thickness 3 ft. 8 in. Slope. Pick mine. Daily capacity 650 tons.

VALLEY COAL & STONE CO., Johnstown, operates Valley mines Nos. 1 and 2 at Johnstown. VEIN Cement or Upper Kittanning. Thickness 63 in. Drift. Pick mine. Daily capacity 1500 tons. Trade name "Valley Smokeless."

BUFFALO, ROCHESTER & PITTSBURGH RAILWAY.

VINTON COLLIERY CO., Philadelphia, operates mine No. 6 at Vintondale. (Also P. R. R.) VEIN "B" or Miller. Thickness 3½ ft. Slope. Pick mine. Daily capacity 1000 tons. Trade name "Vinton." Analysis on file.

JOHNSTOWN & STONY CREEK RAILROAD.

SUNNYSIDE COAL CO., Johnstown, operates Sunnyside mine at Johnstown. VEIN "C" Prime or Cement. Thickness 3 ft. 10 in. Slope. Pick mine. Daily capacity 600 tons. Analysis on file.

NEW YORK CENTRAL & HUDSON RIVER RAILROAD.

CLEARFIELD BIT. COAL CORPOATION, Clearfield, operates West Branch mine at Barnesboro. VEIN "D." Thickness*. Drift. Machine mine. Daily capacity 750 tons.

EMPIRE COAL MINING CO., Clearfield, operates Empire "A" mine at Barnesboro. VEIN "D." Thickness*. Drift. Machine mine. Daily capacity 700 tons.

MILSOM COAL CO., Osceola Mills, operates Milsom mine at Carrolltown. VEINS "C" and "D." Thickness 3 ft. 4 in. and 4 ft. 5 in. respectively. Pick mine. Mine just developing.

PATTON CLAY MFG. CO., Patton, operates Patton shaft at Patton. (Also P. R. R.) VEIN "C" Prime. Thickness 5 ft. Shaft. Pick mine. Daily capacity 100 tons.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

AETNA COAL MINING CO., Portage, operates Aetna mine No. 1 at Portage. VEIN Upper Freeport. Thickness 5 ft. Slope. Pick mine. Daily capacity 300 tons. Analysis on file.

ALLPORT COAL CO., Barnesboro, operates Allport mine No. 1 at Barnesboro. VEIN "D.' Thickness 4 ft. 4 in. Drift. Machine mine. Daily capacity 750 tons. Trade name "Allport."

ALTON COAL CO., THE, Philadelphia, operates Alton mine at Lloydell. VEIN B-Miller. Thickness 3½ ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "Alton." Analysis on file.

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PENNSYLVANIA—Cambria County—P. R. R.—(Continued)

ALTOONA COAL & COKE CO., Altoona, operates Delaney mine No. 5 at Delaney. VEIN Lemon (E). Thickness 4 ft. Drift. Machine and Pick mine. Daily capacity 1200 tons. Trade name "Delaney." Analysis on file.

BEAR ROCK COAL CO., Lilly, operates Bear Rock Colliery at Lilly. VEIN Blossburg. Thickness 4 ft. Drift. Pick mine. Daily capacity 100 tons. Trade name "Sonman." Analysis on file.

BEAVER RUN COAL CO., Beaverdale, operates Beaver Run mine at Beaverdale. VEIN Lemon. Thickness 4 ft. Drift and Slope. Machine mine. Daily capacity 400 tons. Analysis on file.

BELLFIELD COAL & COKE CO., Altoona, operates Ben mine No. 5 at Figart. VEIN Miller. Thickness 4 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Bellfield."

BEN'S CREEK COAL MINING CO., Altoona, operates Ben's Creek mine No. 1 at Ben's Creek. VEIN "B." Thickness 3½ ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

BEN'S CREEK-SONMAN COAL CO., Minersville, operates Ben's Creek mine at Ben's Creek. VEIN Miller. Thickness 4 ft. Shaft. Pick mine. Daily capacity 250 tons.

CITIZENS COAL CO., Johnstown, operates Dale, Green Hill and Gautier mines at Johnstown. (See B. & O. R. R.)

COLONIAL COAL CO., Puritan, operates mines at Puritan. VEIN "B." Thickness 5 ft. Drift and Slope. Pick mines. Daily capacity 600 tons. Trade name "Colonial." Analysis on file.

COMMERCIAL COAL MINING CO., Philadelphia, operates Commercial Collieries Nos. 3, 4 and 5 at Twin Rocks. VEIN "B" or Miller. Thickness 3 ft. 10 in. Slopes. Pick and Machine mines. Daily capacity 2400 tons. Trade name "Star."

DERINGER BROS., Spangler, operates Woodland mine No. 2 at Gorman. VEIN "D" or Moshannon. Thickness 4 to 4½ ft. Drift. Pick mine. Daily capacity 450 tons. Trade name "Woodland." Analysis on file.

DUNCAN-SPANGLER COAL CO., Philadelphia, operates Blubaker mine No. 13 at Spangler. VEIN "D" or Moshannon. Thickness 3½ to 4 ft. Drift. Pick mine. Daily capacity 800 tons. Trade name "Blubaker." Analysis on file.
Same Company operates Delta mine at Spangler. VEIN "D" or Moshannon. Thickness 3½ to 4 ft. Drift. Machine mine. Daily capacity 1200 tons. Trade name "Delta." Analysis on file.

EASTERN BITUMINOUS COAL MINING CO., Philadelphia, operates Dean mine No. 8 at Frugality. VEIN "E." Thickness 40 in. Drift. Machine and Pick mine. Daily capacity 500 tons.

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PENNSYLVANIA—Cambria County—P. R. R.—(Continued)

Same Company operates Dean mines Nos. 9 and 10 at Frugality. VEIN "C" Prime. Thickness 5 ft. Drifts. Machine and Pick mines. Daily capacity 1300 tons.

ESTEP BROS. COAL MINING CO., Nant-Y-Glo, operates Ivory Hill mine at Nant-Y-Glo. VEIN "B" or Miller. Thickness 3 ft. 8 in. Slope. Pick mine. Daily capacity 500 tons. Trade name "Ivory Hill." Analysis on file.

FEDERAL COAL & COKE CO., Puritan, operates mines Nos. 4 and 5 at Puritan. VEIN "B." Thickness 5 ft. Drift and Slope. Pick mines. Daily capacity 1000 tons. Trade name "Knickerbocker." Analysis on file.

GOULD & BRO., W. A., Brisbin, operates Black Diamond mine at Carrolltown. VEIN "D." Thickness 4 ft. 8 in. Drift. Pick mine. Daily capacity 150 tons.

HASTINGS COAL & COKE CO., Cherry Tree, operates Kinport mine No. 1 at Kinport. VEIN "D." Thickness 3 ft. 4 in. Drift. Pick mine. Daily capacity 300 tons. Trade name "Kinport." Analysis on file.

HENRIETTA COAL MINING CO., Altoona, operates Henrietta mine No. 2 at Llanfair. VEIN "B" or Miller. Thickness 4 ft. Shaft. Pick mine. Daily capacity 1450 tons. Trade name "Henrietta." Analysis on file.

KENNERLY, J. BLAIR, Philadelphia, operates Beccaria mine at Glasgow. VEIN "E." Thickness average 3 ft. Drift. Pick mine. Daily capacity 400 tons. Trade name "Beccaria"
Same Company operates Valley Smokeless mine No. 3 at Mineral Point. VEIN South Fork Miller. Thickness 4½ ft. Drift. Pick mine. Daily capacity 600 tons. Trade name "Valley Smokeless."

LEAHEY COAL MINING CO., Lilly, operates Leahey mine No. 1 at Bens Creek. VEIN "B." Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "Sonman." Analysis on file.
Same Company operates Leahey mine No. 2 at Lilly. VEIN "E." Thickness 4 ft. Slope. Pick mine. Daily capacity 300 tons. Trade name "Moshannon." Analysis on file.

LILLY COAL CO., Altoona, operates mine No. 2 at Lilly. VEIN "B" or Miller. Thickness 3½ ft. Drift. Pick mine. Daily capacity 750 tons. Trade name "Keystone Smithing." Analysis on file.

LINCOLN COAL CO., New York, N. Y., operates Lincoln mine at Nant-Y-Glo. VEIN Miller. Thickness 4 ft. Drift. Machine mine. Daily capacity 500 tons. Trade name "Lincoln." Analysis on file.

LOGAN COAL CO., Philadelphia, operates Mine No. 1 at Dunlo and No. 4 at Beaverdale. VEIN Miller. Thickness 4 ft. Slopes. Pick mines. Daily capacity 1850 tons. Trade name "Logan." Analysis on file.
Same Company operates mine No. 5 at Carrolltown. VEIN Miller. Thickness 3½ ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "Miller." Analysis on file.

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PENNSYLVANIA—Cambria County—P. R. R.—(Continued)

MADERIA-HILL COAL MINING CO., Clearfield, operates Spangler mines Nos. 2, 3 and 4 at Barnesboro. VEINS "D," "D and E," and Miller respectively. Thickness 4 ft. Drifts and Shaft. Machine and Pick mines. Daily capacity 1800 tons. Analysis of No. 4 on file.
Same Company operates Spangler mine No. 1 at Spangler. VEIN "D." Thickness 4 ft. Drift. Pick mine. Daily capacity 300 tons.

MARYLAND COAL CO., of PENNSYLVANIA, New York, N. Y., operates Coleman Shaft at St. Michaels. VEIN Miller. Thickness 4 ft. Shaft. Machine and Pick mine. Daily capacity 2000 tons. Trade name "Coleman Shaft."

MILLER COAL CO., Philadelphia, operates Miller Shaft No. 1 at Portage. VEIN Miller. Thickness average 4 ft. Shaft. Pick mine. Daily capacity 600 tons.

MILLER RUN COAL CO., Hastings, operates Miller Run colliery at Hastings. VEIN "B." Thickness 4 ft. 4 in. Drift. Pick mine. Daily capacity 150 tons. Analysis on file.

MORRELLVILLE COAL MINING CO., Philadelphia, operates Morrellville mine at Johnstown. VEIN "B" or Miller. Thickness 3 ft. 8 in. to 4 ft. 2 in. Drift. Pick mine. Daily capacity 500 tons. Trade name "Morrellville Smokeless." Analysis on file.

OAK RIDGE COAL & COKE CO., Hastings, operates Oak Ridge mine No. 1 at Hastings. VEIN "D." Thickness 4 ft. 4 in. Drift. Machine mine. Daily capacity 600 tons. Analysis on file.
Same Company operates Oak Ridge mine No. 2 at Hastings. VEIN "E." Thickness 3½ ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

PATTON CLAY MFG. CO., Patton, operates Patton Shaft at Patton. (See N. Y. C. & H. R. R. R.)

PEARCE & SONS, GEO., Puritan, operates Excelsior collieries Nos. 1 and 2 at Puritan. VEINS "E" and "C" Prime. Thickness, each, 4 ft. Drifts. Pick mines. Daily capacity 800 tons. Analysis on file.

PEERLESS COAL MINING CO., Philadelphia, operates Peerless mine No. 1 at Bakerton. VEIN Miller. Thickness 3 ft. Drift. Pick mine. Daily capacity 175 tons. Trade name "Peerless." Analysis on file.

PIPER & CO., W. H., Philadelphia, operates Sonman mines Nos. 2 and 4 at Lilly. VEIN "B" or Miller. Thickness 3 ft. 4 in. Slope and Drift respectively. Pick mines. Daily capacity 900 tons. Trade name "Sonman."

PLYMOUTH COAL MINING CO., Philadelphia, operates Plymouth mine at Portage. VEIN "C." Thickness*. Drift. Pick mine. Daily capacity 500 tons. Trade name "Plymouth." Analysis on file.

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PENNSYLVANIA—Cambria County—P. R. R.—(Continued)

PORTAGE COAL MINING CO., Portage, operates Portage mines Nos. 2, 3 and 4 at Portage. VEINS "E" and "C" Prime. Thickness 4 ft. 2 in. to 4 ft. 10 in. Drift, Slope and Shaft. Machine mines. Daily capacity 2200 tons. Analysis on file.

PRINCESS COAL MINING CO., Philadelphia, operates mines Nos. 6 and 8 at Puritan. VEINS Miller and Cement. Thickness 4 ft. Drift and Slope. Pick mines. Daily capacity 350 tons.

PRISCILLA COAL MINING CO., Philadelphia, operates Priscilla mine No. 1 at South Fork. VEIN "B" or Miller. Thickness 4 ft. Drift. Pick mine. Daily capacity 400 tons. Trade name "Priscilla." Analysis on file.

PURITAN COAL MINING CO., New York, N. Y., operates Puritan shaft and Plane mine No. 1 at Puritan. VEINS "B" and "E" respectively. Thickness 5 ft. each. Shaft and Incline. Pick mines. Daily capacity 1500 tons. Trade name "Puritan." Analysis on file.

RED TOP COAL CO., Hastings, operates Red Top mine No. 2 at Hastings. VEIN "B." Thickness 34 in. Drift. Pick mine. Daily capacity 125 tons. Analysis on file.

RICH HILL COAL CO., Hastings, operates Rich Hill mine at Hastings. VEINS "E" and "D." Thickness 3½ ft. and 4 ft. 8 in. respectively. Drift. Pick mine. Daily capacity 500 tons. Trade name "Rich Hill." Analysis on file.

SHOEMAKER COAL MINING CO., Philadelphia, operates Wilmore mines Nos. 1 and 2 at Sonman. VEIN Sonman Basin. Thickness 4 ft. Drifts. Pick mines. Daily capacity 1700 tons. Trade name "Wilmore."

SMITH & CO., A., Dysart, operates Superior mines Nos. 4, 5 and 6 at Dysart. VEINS "B" and "C." Thickness 4½ to 6 ft. Drifts. Machine and Pick mines. Daily capacity 400 tons. Analysis on file.

SONMAN SHAFT COAL CO., Minersville, operates Sonman mine at Sonman. VEIN Miller. Thickness 4 ft. Shaft. Pick mine. Daily capacity 1050 tons.

SOUTH FORK COAL MINING CO., Philadelphia, operates South Fork mines Nos. 1 and 2 at South Fork. VEIN "B" or Miller. Thickness 3 ft. 8 in. to 4 ft. 2 in. Slopes. Pick mines. Daily capacity 1200 tons. Trade name "South Fork." Analysis on file.

SPRINGFIELD COAL MINING CO., Ebensburg, operates Springfield mine No. 1 at Nant-Y-Glo. VEIN "B" or Miller. Thickness 4 ft. Slope. Machine mine. Daily capacity 550 tons. Trade name "Springfield." Analysis on file.

STINEMAN, H. C., South Fork, operates Stineman mine No. 5 at South Fork. VEIN "C" Prime. Thickness 4 ft. Drift. Pick mine. Daily capacity 450 tons. Analysis on file.

STINEMAN COAL CO., O. M., South Fork, operates Stineman mine No. 3 at South Fork. VEIN Cement. Thickness 4 ft. Slope. Pick mine. Daily capacity 300 tons.

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PENNSYLVANIA—Cambria County—P. R. R.—(Continued)

STYER, SAMUEL, Philadelphia, operates Radnor mine at Mineral Point. VEI Miller. Thickness 4½ to 5 ft. Drift. Pick mine. Daily capacity 500 ton Trade name "Radnor."

SUNNYSIDE COAL CO., Johnstown, operates Sunnyside mine at Johnstow (See B. & O. R. R.)

TUNNEL COALING CO., Greensburg, operates mine No. 2 at Gallitzin. VE Lemon or "E." Thickness*. Drift. Machine and Pick mine.

VINTON COLLIERY CO., Philadelphia, operates mines Nos. 1, 3, and 5 at Vintondale. VEIN "B" or Miller. Thickness 3½ ft. Drift, Incline and Slopes. Pick mines. Daily capacity 2100 tons. Trade name "Vinton." Analysis on file.

Same Company operates mine No. 6 at Vintondale. (See B. R. & P. R. R.)

WOODLAND COAL & COKE CO., Spangler, operates Woodland mine No. 1 at Spangler. VEIN "D" or Moshannon. Thickness 4 ft. Drift. Pick mine. Daily capacity 400 tons. Trade name "Woodland." Analysis on file.

YELLOW RUN COAL MINING CO., Philadelphia, operates Yellow Run shaft at Dunlo. VEIN "B" or Miller. Thickness 3½ ft. Shaft. Daily capacity 1000 tons. Trade name "Yellow Run." Analysis on file.

PENNSYLVANIA & NORTHWESTERN RAILROAD—(PENNA. LINES)

FRICK, ESTATE OF MAX, New York, N. Y., operates Bear Loop mine No. 1 at Figart. VEIN "C" Prime. Thickness 2 ft. 10 in. Drift. Pick mine. Daily capacity 100 tons. Analysis on file.

Same Company operates Figart Run mine No. 2 at Figart. VEIN "B." Thickness 4½ ft. Drift. Pick mine. Daily capacity 150 tons. Analysis on file.

SCHMITTLE, J. E., Glasgow, operates Pleasant Hill colliery at Glasgow. VEIN "E." Thickness 32 in. to 3 ft. Drift. Pick mine. Daily capacity 100 tons. Analysis on file.

CAMERON COUNTY—County Seat, Emporium.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

EMPORIUM IRON CO., Canoe Run, operates Mt. Hope mine at Canoe Run. VEIN Lower Freeport. Thickness 3 ft. 8 in. Drift. Pick mine. Daily capacity 300 tons. Analysis on file.

CENTRE COUNTY—County Seat, Bellefonte.

NEW YORK CENTRAL & HUDSON RIVER RAILROAD.

KELLY, THOMAS F., Clarence, operates Cato mine at Cato. VEIN "B." Thickness 3½ ft. Drift. Pick mine. Daily capacity 250 tons.

LEE, THOS. J., Philipsburg, operates Chester mine at Philipsburg. VEIN "B." Thickness 3 ft. 8 in. to 4 ft. Drift. Machine and Pick mine. Daily capacity 350 tons. Trade name "Chester." Analysis on file.

RED BANK COAL CO., Philipsburg, operates Bloomington mine "S & T" at One Mile Run. VEIN "A." Thickness 4½ ft. Drift. Pick mine. Daily capacity 200 tons.

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PENNSYLVANIA—Centre County—(Continued)

PENNSYLVANIA RAILROAD—(PENNA. LINES)

.NDA COAL CO., Houtzdale, operates Mountain Branch mines "A" and "B" in Rush Township. VEINS "A" and "B" respectively. Thickness 6 ft. and 2 ft. 8 in. respectively. Drifts. Pick mines. Daily capacity mine "A" 100 tons.

:LAIR BROS. COAL CO., Tyrone, operates Orient mines Nos. 2 and 3 at Powelton. VEINS "A" and "B." Thickness 4½ and 5 ft. respectively. Drift and Incline. Pick mines. Daily capacity 500 tons.

:ENTRE COAL & COKE CO., Osceola Mills, operates Weston and Union mine No. 3 at Osceola Mills. VEIN "B" or Miller. Thickness 4½ to 5 ft. Drifts. Pick mines. Daily capacity 1000 tons. Analysis on file.

:HEM COAL CO., Osceola Mills, operates Ghem mine at Osceola Mills. VEIN "B." Thickness 4 ft. 10 in. Drift. Pick mine. Daily capacity 300 tons. Trade name "Ghem."

:EATH BROS., Sandy Ridge, operates Reese mine at Powelton. VEIN "B." Thickness 3½ ft. Drift. Pick mine. Daily capacity 60 tons. Analysis on file.

ELLEY BROS. COAL CO., Snow Shoe, operates Cherry Run mine No. 2 at Snow Shoe. VEIN "B." Thickness 3½ ft. Drift. Pick mine. Daily capacity 400 tons. Trade name "Cherry Run."

:ILSOM COAL CO., CHAS. H., Osceola Mills, operates Powelton mine at Osceola Mills. VEIN "B" or Miller. Thickness 5 ft. Drift. Pick mine. Daily capacity 100 tons.

[OSHANNON COAL MINING CO., Osceola Mills, operates Moshannon mine No. 10 at Osceola Mills. VEIN "B" or Miller. Thickness 4½ to 5 ft. Drift. Machine mine. Daily capacity 1000 tons. Analysis on file.

/HITEHEAD & CO., G. L., THE, Osceola Mills, operates Peerless mine No. 4 near Osceola Mills. VEIN "B." Thicknes 3½ ft. Drift. Pick mine. Daily capacity 150 tons. Analysis on file.
Same Company operates Peerless mine No. 6 near Osceola Mills. VEIN Moshannon. Thickness 6 ft. Drift. Pick mine. Daily capacity 100 tons.

CLARION COUNTY—County Seat, Clarion.

PENNSYLVANIA RAILROAD—(PENNA. LINES).

.CME COAL MINING CO., Greensburg operates Acme and Avondale mines at Rimersburg. VEIN Lower Kittanning. Thickness 4 ft. Drifts. Machine and Pick mines. Daily capacity 800 tons. Trade name "Acme." Analysis on file.

:LARION COAL MINING CO., Philipsburg, operates Clarion mine at Cherry Run. VEIN Lower Kittanning. Thickness 3½ ft. Drift. Machine mine.

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PENNSYLVANIA—Clarion County—P. R. R.—(Continued)

EAGLE COAL CO., Buffalo, N. Y., operates Eagle mine at Upperhillville. VEIN Kittanning. Thickness 3 ft. 8 in. Drift. Machine mine. Daily capacity 500 tons.

FAIRMONT COAL CO., Buffalo, N. Y., operates Fairmont mine No. 4 at New Bethlehem. VEIN Lower Freeport. Thickness 3½ to 4 ft. Drift. Machine mine. Daily capacity 500 tons.

Same Company operates Fairmont mine No. 5 at New Bethlehem. VEIN Kittanning. Thickness 3½ ft. Drift. Machine mine. Daily capacity 500 tons.

GLENORA COAL MINING CO., Buffalo, N. Y., operates Goss mine at Catfish. VEIN Lower Kittanning. Thickness 3½ ft. Drift. Machine mine. Daily capacity 300 tons. Analysis on file.

HEDSTROM COAL MINING CO., Buffalo, N. Y., operates Dutch Hill mine at Monterey. VEIN Upper Kittanning. Thickness 3½ ft. Drift. Machine mine. Daily capacity 350 tons. Trade name "Dutch Hill."

HILLVILLE COAL CO., Buffalo, N. Y., operates Hillville mine at Upper Hillville. VEIN Lower Kittanning. Thickness 3 to 4 ft. Drift. Machine mine. Daily capacity 500 ton. Analysis on file.

KEYSTONE COLLIERIES, INC., THE, Rochester, N. Y., operates Standard mines Nos. 1 and 2 at Rimersburg. VEIN Lower Kittanning. Thickness 4 ft. Slopes. Machine mines. Daily capacity 350 tons.

Same Company operates Monroe and Joselyn mines at Rimersburg. VEIN Lower Kittanning. Thickness 4 ft. Shafts. Machine mines. Daily capacity 1600 tons. Trade name "Keystone."

Same Company operates Keystone mine at Lawsontown. VEIN Lower Kittanning. Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons.

KEYSTONE MINING CO., East Brady, operates Sterling mine at Sterling and Sarah Furnace mine at Keystone Store. VEIN Lower Kittanning. Thickness 4 ft. Drifts. Pick and Machine mines. Daily capacity 800 tons. Trade name "Sterling" and "Bradys Bend." Analysis on file.

MILLER, J. B., Sligo, operates Mineral Run mine at Sligo. VEIN Brookville "A." Thickness 4 ft. Drift. Machine mine. Daily capacity 50 tons.

MONARCH COAL CO., East Brady, operates Monarch mine at Red Bank. VEIN Lower Kittanning. Thickness 4 ft. Drift. Machine mine. Daily capacity 400 tons. Analysis on file.

PENN MINING CO., Greensburg, operates Penn mine at Rimersburg. VEIN Lower Kittanning. Thickness 4 ft. Drift. Machine and Pick mine. Daily capacity 250 tons. Trade name "Penn." Analysis on file.

PRESTON COAL CO., Pittsburgh, operates Preston mine at West Monterey. VEIN Clarion. Thickness 3 ft. Drift. Machine mine. Daily capacity 200 tons.

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CYRUS H. POLLEY, President

Prudential Building, - - BUFFALO, N. Y.

PENNSYLVANIA—Clarion County—P. R. R.—(Continued)

SLIGO COAL & COKE CO., Sligo, operates mine at Sligo. VEIN Clarion. Thickness 3½ ft. Drift. Machine mine.

PITTSBURG, SUMMERVILLE & CLARION RAILROAD.

BALDAUF COAL & COKE CO., Punxsutawney, operates Baldauf mine at Waterson. VEIN Upper Kittanning. Thickness 4 ft. Drift. Pick mine. Daily capacity 500 tons.

OWENS MINING CO., Clarion, operates Owens mine at Owens Flag Station. VEIN Lower Kittanning. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 200 to 300 tons.

WILSON COAL & COKE CO., Clarion, operates Elss mine at Elss Station. VEIN Lower Kittanning. Thickness 3 to 4 ft. Slope. Pick mine. Daily capacity 300 to 400 tons.

CLEARFIELD COUNTY—County Seat, Clearfield.

BUFFALO, ROCHESTER & PITTSBURGH RAILWAY.

CLEARFIELD COLLIERY CO., Clearfield, operates Bloom mine No. 1 at Cowansville. VEIN "D." Thickness*. Drift. Pick mine. Daily capacity 250 tons. Trade name "3C."

CLEARFIELD STEEL & IRON CO., Pittsburg, operates mine at Hyde. VEIN Moshannon. Thickness 3½ ft. Drift. Pick mine. Daily capacity 100 tons.

FALLS CREEK COAL CO., Buffalo, N. Y., operates Falls Creek mine at Falls Creek. (Also P. R. R.) VEIN Freeport. Thickness 5 to 6 ft. Drift. Machine mine. Daily capacity 1000 tons. Trade name "Falls Creek." Analysis on file.

BUFFALO & SUSQUEHANNA RAILROAD.

BUFFALO & SUSQUEHANNA COAL & COKE CO., Buffalo, N. Y., operates DuBois Shafts Nos. 1 and 2 at DuBois. VEIN Lower Freeport. Thickness 6 ft. Shafts. Machine mines. Daily capacity 4000 tons.

CASCADE COAL & COKE CO., Buffalo, N. Y., operates Tyler mine at Tyler. (Also P. R. R.) VEIN*. Thickness*. Drift. Pick mine.

ERIE RAILROAD.

NORTHWESTERN MINING & EXCHANGE CO., New York, N. Y., operates Eriton mine at Eriton. VEIN "D" Lower Freeport. Thickness 54 in. Shaft. Machine mine. Daily capacity 2600 tons.

NEW YORK CENTRAL & HUDSON RIVER RAILROAD.

BELLMORE COAL CO., Burnside operates Burnside mine at Burnside. VEIN "D." Thickness 3½ ft. Drift. Pick mine. Daily capacity 75 tons. Analysis on file.

BULAH SHAFT COAL CO., Ramey, operates Bulah shaft No. 1 at Ramey. (Also P. R. R.) VEIN "D" or Moshannon. Thickness*. Shaft. Pick mine. Daily capacity 1000 to 1200 tons. Analysis on file.

*NOT REPORTED

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PENNSYLVANIA—Clearfield County—Erie R. R.—(Continued)

CLEARFIELD BIT. COAL CORPORATION, Clearfield, operates Gazzam mine at Gazzam. VEIN "D." Thickness*. Drift. Pick mine. Daily capacity 250 tons.

Same Company operates Pleasant Hill, Grass Flat and Knox Run mines at Peale. VEIN "B." Thickness*. Drifts. Pick mines. Daily capacity 1985 tons.

CLEARFIELD COLLIERY CO., Clearfield, operates Caldwell mine No. 2 at Cowansville. VEIN "D." Thickness*. Drift. Pick mine. Daily capacity 500 tons. Trade name "3 C."

CLEARFIELD & CAMBRIA COAL & COKE CO., Port Deposit, Md., operates Lee Hollow mine at La Jose. (Also P. R. R.) VEIN Upper Freeport or "E." Thickness 3 ft. Drift. Machine and Pick mine. Daily capacity 1000 tons.

CORONA COAL & COKE CO., Madera, operates Shoff mine at Madera. VEIN "B." Thickness 3 to 5½ ft. Drift. Pick mine. Daily capacity 300 tons. Analysis on file.

GRAHAM COAL CO., Inc., Philipsburg, operates Hartley mine at Graham Station. VEIN "B." Thickness 2 ft. 10 in. Slope. Machine and Pick mine. Daily capacity 200 tons. Trade name "Hartley." Analysis on file.

Same Company operates Phoenix mine No. 2 at Oak Grove. VEIN Moshannon "D." Thickness 4 ft. 8 in. Drift. Pick mine. Daily capacity 100 tons. Trade name "Phoenix." Analysis on file.

HARBISON-WALKER REFRACTORIES CO., Pittsburgh, operates Plane mine at Woodland. VEIN "C." Thickness 2½ to 3 ft. Drift. Pick mine. Daily capacity 100 tons.

HOLT, W. F., Philipsburg, operates Phoenix mine at Hawk Run. VEIN "E." Thickness 3 ft. Drift. Pick mine. Daily capacity 100 tons. Analysis on file.

IRISH BROS. COAL CO., Philipsburg, operates Colorado mine No. 5 at Munson Station. VEIN "B." Thickness 3 ft. 10 in. Drift. Machine and Pick mine.

Same Company operates Jefferson mines Nos. 1 and 2 at Philipsburg. (Also P. R. R.) VEINS "E" and Moshannon respectively. Thickness 3 and 4½ ft. respectively. Drifts. Pick mines.

Same Company operates Cuba mines Nos. 1 and 2 at Cuba Mines. VEINS "E" and Moshannon. Thickness 3 and 4½ ft. respectively. Drifts. Pick mines.

LEE, THOS. J., Philipsburg, operates Davis mine at Hawk Run. VEIN Moshannon. Thickness 4½ ft. Drift. Pick mine. Daily capacity 150 tons. Trade name "Davis."

LITTLE CREEK COAL & COKE CO., Clearfield, operates O'Shanter mine at O'Shanter. VEINS "D" and "E." Thickness 2½ ft. Drift and Incline. Pick mine. Daily capacity 100 tons.

*NOT REPORTED

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PENNSYLVANIA—Clearfield County—Erie R. R.—(Continued)

MOSHANNON COAL MINING CO., Osceola Mills, operates Moshannon mines Nos. 7, 8 and 9, Electric Nos. 1 and 2, Lenore Nos. 1 and 2 and Centre mine at Osceola Mills. (Also P. R. R.) VEIN "D" Moshannon. Thickness 5 to 6 ft. Drifts. Pick mines. Daily capacity 2700 tons. Trade name "Moshannon." Analysis on file.

OLANTA COAL MINING CO., Hollidaysburg, operates Olanta mines Nos. 1 and 2 at Olanta. VEINS "B" and "C." Thickness 3 ft. 8 in. Drifts. Machine and Pick mines. Daily capacity 300 tons. Trade name "Olanta Steaming."

O'SHANTER COAL CO., Philipsburg, operates Manhattan mine at O'Shanter. VEIN "B." Thickness 3 ft. Drift. Pick mine.

POTTER, BIGLER & POTTER, Inc., Clearfield, operates Horseshoe mine at Karthaus. VEIN "B." Thickness*. Pick mine. Daily capacity 150 tons.

POTTS RUN LAND CO., Clearfield, operates Potts Run mines Nos. 2 and 3 at Boardman. VEIN "B" or Miller. Thickness 38 to 45 in. Drifts. Pick mines. Daily capacity 1500 tons.

RED JACKET COAL CO., Philipsburg, operates Gearhart mine at Gearhartville. (Also P. R. R.) VEIN "E." Thickness 3 ft. 4 in. Drift. Pick mine.

STAGE, ISAAC, Clearfield, operates Karthaus colliery No. 1 at Karthaus. VEIN "B." Thickness 3½ ft. Drift and Incline. Pick mine. Daily capacity 100 tons.

VICTORIA COAL MINING CO., New York, N. Y., operates Acme mine at Hawk Run. VEIN "B." Thickness*. Drift and Slope. Pick mine. Daily capacity 1000 tons. Trade name "Acme."

PENNSYLVANIA RAILROAD—(PENNA. LINES)

BERWINDALE COAL & COKE CO., Philadelphia, operates Cheston mine near Irvona. VEIN Moshannon. Thickness 4 ft. Drift. Pick mine.

BETZ COAL MINING CO., Philadelphia, operates Betz mine No. 2 at Madera. VEIN "B." Thickness 4½ to 5 ft. Drift. Pick and Machine mine. Daily capacity 500 tons. Analysis on file.

BLAIN RUN COAL CO., Coalport, operates mine No. 1 at Coalport. VEIN "B" or Miller. Thickness 4 ft. 8 in. Drift. Pick mine. Daily capacity 400 tons. Analysis on file.

BLYTH COAL CO., Clearfield, operates Blyth Shaft at Madera. VEIN "B." Thickness 5½ ft. Shaft. Machine and Pick mine. Mine just developing. Analysis on file.

BRISBIN COAL MINING CO., Philadelphia, operates Mascot mine No. 1 at Huntzdale. VEIN "B." Thickness 4 ft. Drift. Pick mine. Daily capacity 50 tons.

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PENNSYLVANIA—Clearfield County—P. R. R.—(Continued)

BULAH COAL CO., Ramey, operates Webster mine No. 4 at Bulah. VEIN "D" or Moshannon. Thickness*. Drift. Pick mine. Daily capacity 600 to 800 tons. Analysis on file.

BULAH SHAFT COAL CO., Ramey, operates Bulah Shaft No. 1 at Ramey. (See N. Y. C. & H. R. R. R.)

BURNS, M., Brisbin, operates Penn mines Nos. 2 and 3 at Grampian. VEIN Moshannon. Thickness 4 ft. Drift. Pick mine. Daily capacity 250 tons.

CASCADE COAL & COKE CO., Buffalo, N. Y., operates Tyler mine at Tyler. (See Buffalo & Susquehanna Ry.)

CLEARFIELD COAL CO., Madera, operates Becarria mine at Becarria. VEIN "D" or Moshannon. Thickness 2½ to 3 ft. Drift. Pick mine. Daily capacity 50 tons. Trade name "King Cole." Analysis on file.

CLEARFIELD COAL MINING CO., Clearfield, operates Penn mine No. 4 at Osceola Mills. VEIN Miller. Thickness 3½ ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

CLEARFIELD & CAMBRIA COAL & COKE CO., Port Deposit, Maryland, operates Lee Hollow mine at La Jose. (See N. Y. C. & H. R. R. R.)

CLEARMONT COAL MINING CO., Philadelphia, operates Clearmont mine at Houtzdale. VEIN "E" or Cap. Thickness 3 ft. Drift. Pick mine. Daily capacity 100 tons.

Same Company operates Clearmont mine at Houtzdale. VEIN "D" or Moshannon. Thickness 5 ft. Drift and Slope. Pick mine. Daily capacity 150 tons. Trade name "Clearmont."

CORONA COAL & COKE CO., Madera, operates Bucher mine at Madera. VEIN "B." Thickness 3 to 5½ ft. Drift. Machine mine. Daily capacity 300 tons. Analysis on file.

Same Company operates Royal mine at Madera. VEIN "B." Thickness 3 to 5½ ft. Slope. Pick mine. Daily capacity 300 tons. Analysis on file.

Same Company operates White Oak mine at Madera. VEIN "B." Thickness 3 to 5½ ft. Slope. Machine mine. Daily capacity 300 tons. Analysis on file.

Same Company operates Corona, Davis and Hegarty mines at Madera. VEIN "B." Thickness 3 to 5½ ft. Drifts. Pick mines. Daily capacity 800 tons. Analysis on file.

DUNBAR COAL MINING CO., Altoona, operates Fairmont mines Nos. 1, 2 and 3 at Osceola Mills. VEIN "D" or Moshannon. Thickness 7 ft. Drifts. Pick mines. Daily capacity 450 tons. Analysis on file.

EASTON COAL CO., Easton, operates Easton mine at Mahaffey. VEIN*. Thickness 4 ft. Drift. Pick mine. Daily capacity 150 to 300 tons. Analysis on file.

FALLS CREEK COAL CO., Buffalo, N. Y., operates Falls Creek mine at Falls Creek. (See B. R. & P. R. R.)

*NOT REPORTED

Falls Creek Coal Company

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Prudential Building - - BUFFALO, N. Y.

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PENNSYLVANIA—Clearfield County—P. R. R.—(Continued)

FRANKLIN COAL CO., Ltd., Brisbin, operates Sterling mine No. 2 at Clearfield. VEIN Moshannon. Thickness 5½ ft. Drift. Pick mine. Daily capacity 100 tons.

GOULD & BRO., W. A., Brisbin, operates Midvale mines Nos. 1 and 2 at Brisbin and Midvale mine No. 1 at McCartney. VEIN Moshannon. Thickness 4½ to 5 ft. Drifts. Pick mines. Daily capacity 400 tons.
Same Company operates Henderson mine No. 5 at Brisbin. VEIN "B." Thickness 3½ ft. Slope. Machine and Pick mine. Daily capacity 200 tons.

HEGARTYS' SONS, S., Coalport, operate Oakland mines Nos. 2 and 3 at Coalport. VEIN "B" or Miller. Thickness 4 to 5 ft. Drifts. Pick mines. Daily capacity 500 tons. Trade names "Black Hawk" and "Oakland." Analyses on file.

HENRIETTA COAL CO., Ltd., Houtzdale, operates Henrietta mines Nos. 1, 2 and 4 at Houtzdale. VEIN Moshannon. Thickness 3 to 4 ft. Drifts and Slopes. Pick mines. Daily capacity 200 tons.

INDUSTRY COAL MINING CO., Philipsburg, operates Industry mine at Industry. VEIN Moshannon. Thickness 4 ft. Drift. Pick mine.
Same Company operates Niagara mine at Ashland. VEIN "B." Thickness 3 ft. Drift. Pick mine.

IRISH BROS. COAL CO., Philipsburg, operates Jefferson mines Nos. 1 and 2 at Philipsburg. (See N. Y. C. & H. R. R. R.)

IRVONA COAL & COKE CO., Philadelphia, operates Irvona mines Nos. 3, 5 and 10 at Blain City. VEIN "B." Thickness*. Drifts. Machine mines. Daily capacity 1500 tons. Trade name "Irvona." Analysis on file.

KELLY & SHADECK, Karthaus, operates Mosquito Creek mine at Clearfield. VEIN*. Thickness 3 ft. Drift. Pick mine. Daily capacity 70 to 100 tons.

KING COAL MINING CO., Ltd., Madera, operates King mine at Smith Mills. VEIN "D" Moshannon. Thickness 2½ to 3 ft. Drift. Pick mine. Daily capacity 100 tons. Trade name "King Cole." Analysis on file.

MADERIA-HILL COAL MINING CO., Clearfield, operates Clover Run mines Nos. 1, 2 and 4 in Bell Township. VEINS "D" and "C." Thickness*. Drifts. Pick mines. Daily capacity 600 tons.

MOHAWK COAL CO., New York, N. Y., operates Beaver mine at Philipsburg. VEIN "C" and "B." Thickness 3½ ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Mohawk." Analysis on file.

MORRISDALE COAL CO., THE, Philadelphia, operates Morrisdale Shafts. Nos. 1, 2 and 3 at Morrisdale Mines. VEIN "B." Thickness 4 ft. 10 in. Shafts. Machine and Pick mines. Daily capacity 2500 tons. Trade name "Morrisdale Bituminous." Analysis on file.

*NOT REPORTED

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PENNSYLVANIA—Clearfield County—P. R. R.—(Continued)

MOSHANNON COAL MINING CO., Osceola Mills, operates Moshannon mines Nos. 1 and 4 at Osceola Mills. VEIN "D" Moshannon. Thickness 5 to 6 ft. Drifts. Pick mines. Daily capacity 600 tons. Trade name "Moshannon." Analysis on file.

Same Company operates Moshannon mines Nos. 7, 8 and 9, Electric Nos. 1 and 2, Lenore Nos. 1 and 2 and Centre mine at Osceola Mills. (See N. Y. C. & H. R. R. R.)

MOUNTZ & CO., S. J., Morann, operates Viola mine at Janesville. VEIN "B." Thickness 5½ ft. Slope. Pick mine. Daily capacity 700 tons. Analysis on file.

Same Company operates Whiteside mine No. 1 at Morann. VEIN Moshannon. Thickness 2 ft. 10 in. Drift. Pick mine. Daily capacity 100 tons.

Same Company operates Morann and Whiteside mine No. 2 at Morann. VEIN Moshannon. Thickness 2 ft. 10 in. to 4½ ft. Drifts. Pick mines. Daily capacity 100 tons.

MULL, R. H., Philipsburg, operates Imperial mine No. 1 in Decatur Township. VEIN "D" Moshannon. Thickness 5 to 6½ ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "Imperial." Analysis on file.

PEMBERTON COAL CO., Altoona, operates Pemberton mines Nos. 1 and 2 at Osceola Mills. VEIN "D" or Moshannon. Thickness 5½ to 8 ft. Drifts. Pick mines. Daily capacity 500 tons. Trade name "Pemberton." Analysis on file.

PENFIELD COAL CO., South Bethlehem, operates mine at Penfield. VEIN "B." Thickness 4 ft. Drift. Pick mine. Daily capacity 1000 tons. Analysis on file.

PINE HILL COAL CO., Rosebud, operates mine at Rosebud. VEIN "B." Thickness 4½ ft. Drift and Incline. Pick mine. Daily capacity 50 tons.

RED JACKET COAL CO., Philipsburg, operates Gearhart mine at Gearhartville. (See N. Y. C. & H. R. R. R.)

Same Company operates Red Jacket mine at Blue Ball. VEIN "A." Thickness 4 ft. Drift. Pick mine.

SMITH & CO., A., Dysart, operates Superior mines Nos. 1, 2 and 3 at Haverly. VEIN "D." Thickness 3 ft. Drift and Slope. Pick mine. Daily capacity 200 tons. Analysis on file.

STANDARD MOSHANNON COAL CO., Williamsport, operates Standard Moshannon mine at Smoke Run. VEIN Lower Freeport. Thickness 3½ ft. Drift. Pick mine. Daily capacity 300 tons.

SWOOPE COAL CO., Madera, operates Eighteen mine at Madera. VEIN "D" or Moshannon. Thickness 4 to 5 ft. Drift. Pick mine. Daily capacity 225 tons. Trade name "Eighteen." Analysis on file.

SWOOPE & CO., H. B., Madera, operate Morgan Run mine at Madera. VEIN "B." Thickness 4 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Morgan Run." Analysis on file.

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PENNSYLVANIA—Clearfield County—P. R. R.—(Continued)

SYLVANIA COAL CO., Madera, operates Sylvania mine at Madera. VEIN "B." Thickness 4 to 6 ft. Drift. Machine mine. Daily capacity 600 tons. Analysis on file.

WALKER & CO., E. J., Brisbin, operates Troy mine No. 1 at Brisbin. VEIN "B." Thickness 4 ft. Drift. Pick mine. Daily capacity 100 tons.
Same Company operates Stanley Colliery at Moran. VEIN "D." Moshannon. Thickness 5 ft. Slope. Pick mine. Daily capacity 200 tons. Analysis on file.

WILKINSON, ROY, Philipsburg, operates Girard mine No. 3 at West Decatur. VEIN "B." Thickness 3 ft. 8 in. Drift. Pick mine. Daily capacity 50 tons.

YORKSHIRE COAL MINING CO., Madera, operates Yorkshire mine at Banian Junction. VEIN "B." Thickness 2½ to 5 ft. Slope. Pick mine. Mine just developing.

PHILIPSBURG RAILROAD—(PENNA. LINES)

FERNWOOD COAL CO., Ramey, operates Mt. Vernon mine No. 10 at Fernwood. VEIN Moshannon. Thickness 2½ ft. Drift. Pick mine. Daily capacity 150 tons. Analysis on file.

CLINTON COUNTY—County Seat, Lock Haven.

PHILADELPHIA & ERIE RAILROAD—(PENNA. LINES)

KETTLE CREEK COAL MINING CO., Bitumen, operates Kettle Creek mine at Bitumen. VEIN Kittanning. Thickness 4 ft. 9 in. to 5 ft. Drift. Pick mine. Daily capacity 1500 tons.

ELK COUNTY—County Seat, Ridgway.

ERIE RAILROAD.

NORTHWESTERN MINING & EXCHANGE CO., New York, N. Y., operates Dagus mines at Dagus Mines. VEIN "B" Lower Kittanning. Thickness 38 in. Drifts. Pick mines. Daily capacity 1400 tons.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

DENTS RUN MINING CO., Buffalo, N. Y., operates Dents Run mine at Dents Run. VEIN Lower Kittanning. Thickness 3 ft. Drift. Machine and Pick mine. Daily capacity 500 tons. Trade name "Dents Run." Analysis on file.

PITTSBURG, SHAWMUT & NORTHERN RAILROAD.

SHAWMUT MINING CO., THE, St. Mary's, operates Shawmut mine No. 3 at Shawmut. VEIN Lower Freeport. Thickness 4 to 5 ft. Drift. Pick mine. Daily capacity 1000 tons. Trade name "Shawmut." Analysis on file.
Same Company operates Cardiff mine No. 41 at Force. VEIN Lower Kittanning. Thickness 3 to 4 ft. Drift. Pick mine. Daily capacity 1200 tons. Trade name "Shawmut." Anlysis on file.

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PENNSYLVANIA—Elk County—Erie R. R.—(Continued)

Same Company operates Elbon mine No. 5 at Elbon, and Shawmut mine No. 8 at Shawmut. VEIN Lower Kittanning. Thickness 2 ft. 10 in. Drift and Slope. Machine mines. Daily capacity 1250 tons. Trade name "Shawmut." Analysis on file.

Same Company operates Byrnedale mines Nos. 21 and 31 and Brown's Run mine No. 42 at Byrnedale. VEIN Lower Kittanning. Thickness 3 ft. 4 in. to 4 ft. Drifts. Machine and Pick mines. Daily capacity 2750 tons. Trade name "Shawmut." Analysis on file.

FAYETTE COUNTY—County Seat, Uniontown.

BALTIMORE & OHIO RAILROAD.

CHEAT HAVEN COAL & COKE CO., Cheat Haven, operates Eagle mine at Cheat Haven. VEIN Pittsburgh. Thickness 8 ft. Drift. Pick mine. Daily 1000 tons. Analysis on file.

COCHRAN BROS., Dawson, operates Spring Grove mine at Dawson. VEIN Connellsville. Thickness 9 ft. Slope. Pick mine. Daily capacity 450 tons.

DUNBAR FURNACE CO., Philadelphia, operates Furnace mines Nos. 1 and 2 at Dunbar. (Also P. R. R.) VEIN Upper Freeport. Thickness 5 ft. Slope and Drift respectively. Machine and Pick mines. Daily capacity 1000 tons. Trade name "Dunbar."

HIGH HOUSE COAL & COKE CO., Smithfield, operates mine at Smithfield. VEIN Upper Sewickly. Thickness 5 ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

HOPE COKE CO., Uniontown, operates Hope mine at Shoaf. VEIN Sewickley. Thickness 5½ ft. Drift. Pick mine. Daily capacity 200 tons.

IRON CITY COAL & COKE CO., Pittsburgh, operates Dorothea mine at Out Crop. VEIN Pittsburgh. Thickness 6 ft. Drift. Pick mine. Daily capacity 75 tons coke. Analysis on file.

PENN COKE CO., Uniontown, operates Acme mine at Smithfield. VEIN Connellsville. Thickness 7½ ft. Drift. Pick mine. Daily capacity 300 tons. Analysis on file.

RICH HILL COKE CO., Uniontown, operates Rich Hill mines Nos. 2 and 3 at Out Crop. VEIN Connellsville. Thickness 7 ft. Drift. Pick mine. Daily capacity 300 tons.

SACKETT COKE CO., Uniontown, operates Crystal mine at Gans. VEIN Connellsville. Thickness 7 ft. Drift. Pick mine. Daily capacity 240 tons. (Coke.) Trade name "Crystal." Analysis on file.

SAPPER COKE CO., Uniontown, operates Sapper mine at High House. VEIN Pittsburgh. Thickness 9 ft. Drift. Pick mine. Daily capacity 100 tons.

SMITHFIELD COAL & COKE CO., Smithfield, operates Burchinal mine at Smithfield. VEIN Connellsville. Thickness 6 ft. Drift. Pick mine. Daily capacity 100 tons.

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PENNSYLVANIA—Fayette County—B. & O. R. R.—(Continued)

SMITH & CO., S. L., Wilkinsburg, operates Evans mine at Evans Station. VEIN*. Thickness 5 ft. Slope. Pick mine. Daily capacity 300 tons.

SOUTH FAYETTE COKE CO., Uniontown, operates Emery mine at Techrone. VEIN Pittsburgh. Thickness 8 to 9 ft. Shaft. Pick mine. Daily capacity 70 tons coke.

STAUFFER & CO., JOS. R., Scottdale, operates Dexter mine at West Overton. VEIN Connellsville. Thickness 9 ft. Drift. Pick mine. Daily capacity 100 tons.

STEWART IRON CO., Ltd., Uniontown, operates Stewart mine at Uniontown. VEIN Connellsville. Thickness 9 ft. Slope. Pick mine. Daily capacity 375 tons.

WASHINGTON COAL & COKE CO., Dawson, operates Washington mines Nos. 1 and 2 at Star Junction. (Also P. & L. E.) VEIN Connellsville. Thickness 9 ft. Shaft and Slope respectively. Machine and Pick mines. Daily capacity 5000 tons.

MONONGAHELA RAILROAD.

BESSEMER COKE CO., Pittsburgh, operates Griffin mine at Masontown. VEIN Connellsville. Thicknes 7 ft. Drift. Pick mine. Daily capacity 1500 tons.

BRIER HILL COKE CO., Brier Hill, operates Brier Hill mine at Brier Hill. VEIN Pittsburgh. Thickness 9 ft. Shaft. Pick mine. Daily capacity 1500 tons.

BYRNE & CO., JAMES, New Salem, operates Finley mine at New Salem. VEIN Pittsburgh. Thickness 9 ft. Drift. Pick mine. Daily capacity 120 tons. Analysis on file.

CENTURY COKE CO., Brownsville, operates Century mine at Brownsville. VEIN Pittsburgh. Thickness 8½ ft. Drift. Pick mine. Daily capacity 800 tons.

CHAMPION CONNELLSVILLE COKE CO., Brownsville, operates Champion mine at Brownsville. VEIN Pittsburgh. Thickness 9 ft. Drift. Pick mine. Daily capacity 113 tons.

CONNELLSVILLE CENTRAL COKE CO., Pittsburgh, operates Low Phos mine in Menallen Township. VEIN Pittsburgh. Thickness 9 to 11 ft. Drift and Slope. Pick mine. Daily capacity 500 tons.

Same Company operates Herbert mine in Menallen Township. VEIN Pittsburgh. Thickness 9 to 11 ft. Shaft. Pick mine. Daily capacity 1000 tons.

CONSOLIDATED CONNELLSVILLE COKE CO., Uniontown, operates Donald, Sterling, and Virginia mines at Masontown. VEIN Pittsburgh. Thickness 9 ft. Drift. Shaft and Slope respectively. Machine mines. Daily capacity 2500 tons.

FAYETTE COKE CO., New Salem, operates Shamrock mine at Shamrock. VEIN Pittsburgh. Thickness 9 ft. Slope. Pick mine. Daily capacity 1000 tons.

*NOT REPORTED

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CORDAGE AND TACKLE BLOCKS

PENNSYLVANIA—Fayette County—Monon R. R.—(Continued)

HOOVER, JAMES H., McClellandtown, operates Hoover mine at Ache Junction. (Also P. R. R.) VEIN Pittsburgh. Thickness 9 ft. Drift. Pick mine. Daily capacity 135 tons.

JACOBS CREEK COAL CO., Masontown, operates Dorotha mine at Gallatin. VEIN Sewickly. Thickness 5 ft. Drift. Pick mine. Daily capacity 100 tons. Analysis on file.

LA BELLE COKE CO., Steubenville, Ohio, operates La Belle mine at La Belle. VEIN Pittsburgh. Thickness 6 ft. Drift. Machine mine. Daily capacity 800 tons.

McKEEFREY COAL CO., Leetonia, Ohio, operates Geneva mine at Martin. VEIN Monongahela River. Thickness 9 ft. Drift. Pick mine. Daily capacity 1000 tons.

ORIENT COKE CO., Uniontown, operates Orient mine at Orient. VEIN Pittsburgh. Thickness 9 ft. Shaft. Pick mine. Daily capacity 1500 tons. Analysis on file.

PROSPECT COAL & COKE CO., Uniontown, operates Salon mine at Searight. VEIN Pittsburgh. Thickness 9 ft. Slope. Pick mine. Daily capacity 300 tons. Analysis on file.

TAYLOR COAL & COKE CO., Cleveland, Ohio, operates Searight mine at Searight. VEIN Pittsburgh. Thickness 9 ft. Shaft. Pick mine. Daily capacity 1000 tons.

THOMPSON CONNELLSVILLE COKE CO., Pittsburgh, operates Thompson mines Nos. 1 and 2 at Republic. VEIN Pittsburgh. Thickness 9 ft. Shafts. Machine mines. Daily capacity 2000 tons coke. Trade name "Thompson." Analysis on file.

TOWER HILL CONNELLSVILLE COKE CO., Uniontown, operates Tower Hill mines No. 1 and 2 at Republic. VEIN Pittsburgh. Thickness 7 to 9 ft. Shafts. Machine mines. Daily capacity 1700 tons. Trade name "Tower Hill."

PENNSYLVANIA RAILROAD—(PENNA. LINES)

BROWNING COKE CO., Uniontown, operates Browning mine at Bitner. VEIN Pittsburgh. Thickness 9 ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

BROWNSVILLE COKE CO., Uniontown, operates Brownsville mine at Brownsville. (Also P. & L. E. R. R.) VEIN Pittsburgh. Thickness 8 to 9 ft. Drift and Slope. Pick mine. Daily capacity 110 tons.

DUNBAR FURNACE CO., Philadelphia, operates Furnace mines Nos. 1 and 2 at Dunbar. (See B. & O. R. R.)

DUNLAP CONNELLSVILLE COKE CO., Connellsville, operates Garwood mine at Simpson. (Also P. & L. E. R. R.) VEIN Pittsburgh. Thickness 9 ft. Shaft and Slope. Machine and Pick mine. Daily capacity 300 tons.

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PENNSYLVANIA—Fayette County—P. R. R.—(Continued)

HOOVER, JAMES H., McClellandtown, operates Hoover mine at Ache Junction. (See Monongahela R. R.)

HUSTEAD-SEMANS COAL & COKE CO., Uniontown, operates Hustead mine at East Millsboro. (Also P. & L. E. R. R.) VEIN Pittsburgh. Thickness 8½ ft. Slope. Machine and Pick mine. Daily capacity 1000 tons.

NEWCOMER COKE CO., Uniontown, operates Newcomer mine at Newcomer. VEIN Pittsburgh. Thickness 8 to 9 ft. Drift. Pick mine. Daily capacity 65 tons.

SOUTH FAYETTE COKE CO., Uniontown, operates Coffman mine at Footedale. VEIN Pittsburgh. Thickness 8 to 9 ft. Shaft. Pick mine. Daily capacity 50 tons coke.

Same Company operates Fretts mine at Messmore. VEIN Pittsburgh. Thickness 8 to 9 ft. Slope. Pick mine. Daily capacity 175 tons coke.

WALTERSBURG COKE CO., Uniontown, operates Edna mine at Waltersburg. VEIN Pittsburgh. Thickness 9 ft. Slope. Pick mine. Daily capacity 500 tons. Analysis on file.

PITTSBURGH, McKEESPORT & YOUGHIOGHENY RAILROAD—(N. Y. CENTRAL LINES)

COCHRAN, SONS & CO., JAMES, Dawson, operates Clarissa mine at Dickerson Run. VEIN Pittsburgh. Thickness 9 ft. Drift. Pick mine. Daily capacity 7500 tons. Analysis of Coke on file.

PITTSBURGH, VIRGINIA & CHARLESTON RAILWAY—(PENNA. LINES.)

ATLAS COKE CO., Leetonia, Ohio, operates Lafayette mine at Helen. VEIN Pittsburgh. Thickness 9 ft. Slope. Machine and Pick mine. Daily capacity 1200 tons.

LINCOLN COAL & COKE CO., Scottdale, operates Lincoln mine at Waltersburg. VEIN Pittsburgh. Thickness 9 ft. Slope. Machine and Pick mine. Daily capacity 1200 to 1600 tons.

PEOPLES' COAL CO., THE, Pittsburgh, operates Pike mine at Brownsville Junction. (Also P. & L. E. R. R.) VEIN Pittsburgh. Thickness.* Drift. Machine mine. Daily capacity 2000 tons.

PITTSBURGH & ERIE COAL CO., Erie, operates Sumner mines Nos. 1 and 2 at Braznell. VEIN Pittsburgh. Thickness 9 ft. Shaft and Slope respectively. Machine mines. Daily capacity 3500 tons.

PITTSBURGH & LAKE ERIE RAILROAD—(N. Y. CENT. LINES)

BROWN & COCHRAN, Dawson, operates Nellie mine at Vanderbilt. VEIN Pittsburgh. Thickness 9 ft. Drift. Pick mine. Daily capacity 600 tons. Trade name "Genuine Connellsville." Analysis on file.

BROWNSVILLE COKE CO., Uniontown, operates Brownsville mine at Brownsville. (See P. R. R.)

*NOT REPORTED

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PENNSYLVANIA—Fayette County—P. V. & C. Ry.—(Continued)

DUNLAP CONNELLSVILLE COKE CO., Connellsville, operates Garwood mine at Simpson. (See P. R. R.)

ECHARD COAL & COKE CO., Connellsville, operates Murphy mine at Star Junction. VEIN Connellsville. Thickness 9 ft. Drift. Pick mine. Daily capacity 2500 tons.

HARRIS-SMITH COAL & COKE CO., THE, Uniontown, operates Hill Top mine at Fayette City. VEIN Pittsburgh. Thickness 9 ft. Drift. Pick mine. Daily capacity 500 tons. Analysis on file.

HUSTEAD-SEMANS COAL & COKE CO., Uniontown, operates Hustead mine at East Millsboro. (See P. R. R.)

MARIETTA-GANIER COAL & COKE CO., Connellsville, operates Junction mine at Broadford Junction. VEIN Pittsburgh. Thickness 9 ft. Slope. Pick mine. Daily capacity 75 tons. Analysis on file.

PEOPLES COAL CO., THE, Pittsburgh, operates Pike mine at Brownsville Junction. (See P. V. & C. Ry.)

PERRY COKE CO., Pittsburgh, operates Martin mine at Star Junction. VEIN Pittsburgh. Thickness 9 ft. Drift. Pick mine. Daily capacity 75 tons coke. Trade name "Perry." Analysis on file.

SNOWHILL COAL CO., Roscoe, operates Snowhill mine at Roscoe. VEIN Pittsburgh. Thickness 8 ft. Drift. Pick mine. Daily capacity 450 tons.

WASHINGTON COAL & COKE CO., Dawson, operates Washington mine No. 3 at Perryopolis. VEIN Connellsville. Thickness 9 ft. Slope. Machine and Pick mine. Daily capacity 500 tons.
Same Company operates Washington mines Nos. 1 and 2 at Star Junction. (See B. & O. R. R.)

GREENE COUNTY—County Seat, Waynesburg.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

DILWORTH COAL CO., Pittsburgh, operates Dilworth mine at Rice's Landing. VEIN Pittsburgh. Thickness 8 ft. Shaft. Machine and Pick mine. Daily capacity 2400 tons. Trade name "Dilworth." Analysis on file.

HUNTINGDON COUNTY—County Seat, Huntingdon.

EAST BROAD TOP RAILROAD.

BROAD TOP COAL & MINERAL CO., Huntingdon, operates Jacobs and Rocky Ridge mines at Jacobs. VEINS Kelley, Barnett and Fulton. Thickness 4 ft. 10 in. to 12 ft. Drifts. Pick mines. Daily capacity 300 to 600 tons. Trade name "Rocky Ridge."

JACOBS & GLAZIER, Huntingdon, operate Victoria mine at Glazier. VEIN Kelly. Thickness 5 to 8 ft. Drift. Pick mine. Daily capacity 150 to 200 tons. Trade name "Victoria."

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CYRUS H. POLLEY, President
Prudential Bldg., BUFFALO, N. Y.

PENNSYLVANIA—Huntingdon County—E. B. T. R. R.—(Continued)

ROCKHILL IRON & COAL CO., THE, Philadelphia, operates Robertsdale Slope and Woodvale Shaft at Robertsdale and Woodvale. VEINS Fulton and Barnett. Thickness 2 to 4 ft. Slope and Shaft. Pick mine. Daily capacity 1200 tons. Trade name "Rockhill." Analysis on file.

URAYS HILL COAL CO., Huntingdon, operates mine at Rocky Ridge. VEINS Kelly, Barnett and Cook. Thickness 4 to 12 ft. Drifts. Pick mines. Daily capacity 600 tons. Analysis on file.

HUNTINGDON & BROAD TOP RAILROAD.

BLACK, A. J., Broad Top City, operates Black mines at Broad Top City. VEINS Barnett and Fulton. Thickness 4½ ft. Drifts. Pick mines. Daily capacity 150 tons. Trade name "Carbon."

REED COLLIERY CO., Dudley, operates Benedict mine at Dudley. VEIN*. Thickness*. Drift. Pick mine.

THROPP, JOSEPH E., Everett, operates Gordon Slope and Melrose mine at Melrose. VEIN "A" or Fulton. Thickness 3½ and 4½ ft. respectively. Slope and Drifts. Pick mines. Daily capacity 700 tons. Trade name "Gordon." Analyses on file.

INDIANA COUNTY—County Seat, Indiana.

BUFFALO, ROCHESTER & PITTSBURGH RAILWAY.

LACKAWANNA COAL & COKE CO., Buffalo, N. Y., operates Lackawanna mines Nos. 3 and 4 at Wehrum. VEIN "B" or Miller. Thickness 4 ft. Slope and Shaft. Machine mines. Daily capacity 1000 tons. Analysis on file.

PUNXSUTAWNEY COAL MINING CO., Buffalo, N. Y., operates Frances mine at Frances. VEIN Freeport. Thickness 4 to 4½ ft. Drift. Machine mine. Daily capacity 1300 tons. Trade name "Frances." Analysis on file.

SENECA COAL MINING CO., Buffalo, operates Seneca mine at Chambersville. VEIN Freeport. Thickness 5½ to 6½ ft. Drift. Machine mine. Daily capacity 1200 tons. Trade name "Seneca." Analysis on file.

NEW YORK CENTRAL & HUDSON RIVER RAILROAD.

CLEARFIELD BITUMINOUS COAL CORPOATION, Clearfield, operates Bar and Sample Run mines at Clymer. VEIN "D." Thickness*. Slopes. Machine mines. Daily capacity 780 tons.
Same Company operates Canoe Ridge mine at Rossiter. VEIN "E." Thickness*. Drift and Slope. Machine mine. Daily capcity 2650 tons.

INDIANA COAL CO., Philipsburg, operates Indiana mines Nos. 1, 2, 3, 4, 5, 6, 7, and 8 at Glen Campbell. VEIN "E." Thickness 4 ft. Drifts. Machine and Pick mines.

PIONEER COAL CO., Clearfield, operates Empire "P" mine at Shanktown. VEIN "B." Thickness*. Drift. Machine mine. Daily capacity 280 tons. **Same Company** operates McKean and Rodkey mines at Clymer. VEIN "B." Thickness*. Drifts. Pick mines. Daily capacity 575 tons.

* NOT REPORTED

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PENNSYLVANIA—Indiana County—(Continued)

PENNSYLVANIA RAILROAD—(PENNA. LINES)

BEAR RUN COAL & COKE CO., Punxsutawney, operates Bear Run mines Nos. 1 and 2 at Sidney. VEIN "B." Thickness 4 ft. 4 in. Drifts. Machine mines. Daily capacity 1600 tons.

BOWMAN COAL MINING CO., Saltsburg, operates Bowman mine at Saltsburg. VEIN Pittsburgh. Thickness 6 ft. Drift. Pick mine. Daily capacity 250 to 300 tons.

COMMONWEALTH COAL & COKE CO., Philadelphia, operates Commonwealth mine at Lockport. VEIN Upper Freeport. Thickness 5 ft. Drift. Pick mine. Daily capacity 300 tons. Analysis on file.

GRACETON COKE CO., Graceton, operates Graceton mine at Graceton. VEIN "E." Thickness 5 ft. Drift. Machine and Pick mine. Daily capacity 900 tons. Trade name "Graceton."

HOWARD GAS COAL CO., Greensburg, operates Mt. Grey mine at Saltsburg. VEIN Pittsburgh. Thickness 6 ft. Drift. Machine and Pick mine. Daily capacity 1000 tons.

INDIANA COAL CO., Philipsburg, operates Indiana mines Nos. 1, 2, 3, 4, 5, 6, 7, and 8 at Glen Campbell. (See N. Y. C. & H. R. R. R.)

JOSEPHINE FURNACE & COKE CO., Cleveland, Ohio, operates Josephine mine at Josephine. VEIN "E" Upper Freeport. Thickness 3½ ft. Drift and Shaft.

KEYSTONE COAL CO., York, operates Mooween mine at Mooween. VEIN Upper Freeport. Thickness 3½ ft. Drift. Machine mine. Daily capacity 400 tons. Analysis on file.

KISKIMINITAS COAL CO., Philipsburg, operates Kiskiminitas mine No. 1 at Tunnelton. VEIN Lower Freeport. Thickness 3 ft. 10 in. Drift. Machine mine.

Same Company operates Kiskiminitas mine No. 2 at Scott Glen. VEIN "B." Thickness 4 ft. Drift. Pick mine.

MITCHELL-WATSON COAL & COKE CO., Saltsburg, operates Mitchell-Watson mine No. 1 at White. VEIN Upper Freeport. Thickness 3 ft. 3 in. Drift. Machine mine. Daily capacity 500 tons.

RAY COAL CO., Blairsville, operates Ray mine at Blairsville. VEIN Pittsburgh. Thickness 6 ft. Drift. Pick mine. Daily capacity 200 tons.

SMITH COAL CO., ROBERT, Blairsville, operates Smith mine at Smith Station. VEIN Pittsburgh. Thickness 6 ft. Drift. Pick mine. Daily capacity 250 tons.

TEARING RUN COAL CO., Indiana, operates Tearing Run mine at Homer City. VEIN "E." Thickness 6 ft. Drift. Pick mine. Daily capacity 400 tons. Analysis on file.

WHARTON COAL & COKE CO., Coral, operates Wharton mine at Coral. VEIN Upper Freeport. Thickness 6½ to 7 ft. Slope. Machine and Pick mine. Daily capacity 1000 tons.

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PENNSYLVANIA—Continued)

JEFFERSON COUNTY—County Seat, Brookville.

BUFFALO, ROCHESTER & PITTSBURGH RAILWAY.

LANE, F. A., Lane's Mills, operates mine at Lane's Mills. VEIN Upper Freeport. Thickness 3 ft. Drift. Pick mine. Daily capacity 150 to 250 tons.

PEALE, PEACOCK & KERR, Inc., St. Benedict, operates Bloomington J. 9 mine at Rathmel. VEIN Upper Freeport. Thickness 6 ft. Drift. Machine mine. Daily capacity 500 tons. Trade name "Reynoldsville."

BUFFALO & SUSQUEHANNA RAILWAY.

BUFFALO & SUSQUEHANNA COAL & COKE CO., Buffalo, N. Y., operates Onondaga Shaft at Onondaga. VEIN Lower Freeport. Thickness 4 ft. Shaft. Machine mine. Daily capacity 2000 tons.

CASCADE COAL & COKE CO., Buffalo, operates Sykesville mine at Sykesville. VEIN*. Thickness*. Shaft. Machine mine.

ERIE RAILROAD.

NORTHWESTERN MINING & EXCHANGE CO., New York, N. Y., operates West Clarion mine at Brockwayville, and Clarion mine No. 4 at Crenshaw. VEIN "D" Lower Freeport. Thickness 42 to 44 inches. Drifts. Pick and Machine mines. Daily capacity 1150 tons.

TOBY COAL MINING CO., Brockwayville, operates Black Diamond mine at Brockwayville. VEIN Upper Freeport. Thickness 3 ft. Drift. Pick mine. Analysis on file.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

ANITA COAL MINING CO., Punxsutawney, operates Anita mine at Anita. VEIN Lower Freeport. Thickness 5 to 6 ft. Drift. Machine mine. Daily capacity 1000 tons.

AVOINE COAL & COKE CO., Punxsutawney, operates Avoine mine at Fuller. VEIN Lower Kittanning. Thickness 7 to 10 ft. Drift. Pick mine. Daily capacity 400 tons.

BOWERSVILLE COAL CO., Punxsutawney, operates Bowersville mine at Bowersville. VEIN "E." Thickness 4 ft. Drift. Machine mine. Daily capacity 500 tons. Analysis on file.

CORTEZ COAL CO., Punxsutawney, operates Cortez mine at Anita. VEIN Lower Freeport. Thickness 4½ ft. Drifts. Pick mine. Daily capacity 200 tons. Trade name "Elk Run." Analysis on file.

LOEB, H., Philadelphia, operates Cherry Grove mine at Winslow. VEIN Upper Freeport. Thickness 3 ft. Drift. Machine and Pick mine. Daily capacity 200 tons.

McLEAVY & CO., JOHN, Punxsutawney, operates Conrad and Shaller mines at Anita. VEIN Lower Freeport. Thickness 4 to 6 ft. Slope and Drift. Pick mines. Daily capacity 1050 tons. Analysis on file.

*NOT REPORTED

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PENNSYLVANIA—Jefferson County—P. R. R.—(Continued)

PANTHER RUN COAL CO., Pardus, operates Panther Run mine at Pardus. VEIN Lower Freeport. Thickness average 5 ft. Drift. Machine mine. Daily capacity 1500 tons. Trade name "Celebrated Reynoldsville." Analysis on file.

PITTSBURGH, SHAWMUT & NORTHERN RAILROAD.

ALLEGHENY RIVER MINING CO., St. Mary's, operates Beaver mine No. 1 at Conifer. VEIN Lower Kittanning or Beaver. Thickness 4 to 5 ft. Drift. Machine and Pick mine. Daily capacity 2000 tons. Trade name "Shawmut." Analysis on file.

SHAWMUT MINING CO., THE, St. Marys, operates Ramsay mine No. 1 at Ramsaytown. VEIN Lower Freeport. Thickness 4 to 5 ft. Drift. Machine and Pick mine. Daily capacity 1500 tons. Trade name "Shawmut." Analysis on file.

PITTSBURGH, SUMMERVILLE & CLARION RAILROAD.

CARRICK-GRAY COAL MINING CO., Summerville, operates Carrick mine at Carrier Flag Station. VEIN Brookville. Thickness 4 to 5 ft. Drift. Pick mine. Daily capacity 300 tons.

RUNAWAY RUN COAL & COKE CO., Reynoldsville, operates Runaway mine at Carrier Flag Station. VEIN Brookville. Thickness 4 to 5 ft. Drift. Machine and Pick mine. Daily capacity 400 tons.

LAWRENCE COUNTY—County Seat, New Castle.

BALTIMORE & OHIO RAILROAD.

WITCH HAZEL COAL CO., THE, Youngstown, Ohio, operates Chewton mine at Chewton. VEIN*. Thickness 30 to 32 inches. Drift. Pick mine. Daily capacity 200 tons. Trade name "Chewton." Analysis on file.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

BEAVER COAL & COKE CO., Wampum, operates Beaver mines Nos. 1, 2 and 3 at Wampum. VEIN Miller. Thickness 3 ft. Pick and Machine mines. Daily capacity 570 tons. Trade name "Beaver."

SHARON COAL & LIMESTONE CO., Pittsburgh, operates mine No. 2 at Volant. VEIN Brookville. Thickness 4 ft. Shaft. Machine and Pick mine. Daily capacity 400 tons.

LYCOMING COUNTY—County Seat, Williamsport.

NORTHERN CENTRAL RAILROAD—(PENNA. LINES)

RED RUN COAL CO., Roaring Branch, operates Red Run mine at Redburn. VEIN "B." Thickness 2 ft. Drift. Pick mine. Daily capacity 400 tons. Analysis on file.

*NOT REPORTED

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PENNSYLVANIA—(Continued)

MERCER COUNTY—County Seat, Mercer.

BESSEMER & LAKE ERIE RAILROAD.

PARDOE COAL CO., Sharon, operates Pardoe mine No. 1 and Kee mine at Pardoe. VEIN Brookville. Thickness*. Drifts. Pick mines. Daily capacity 400 tons. Trade name "Pardoe."

WESTERMAN-FILER CO., Sharon, operates Diamond mines Nos. 1 and 3 at Grove City. VEIN Brookville. Thickness 4 to 4½ ft. Shaft and Slope. Pick mines. Daily capacity 1000 tons.

LAKE SHORE & MICHIGAN SOUTHERN RAILWAY—(N. Y. C. LINES)

CANN COAL CO., Stoneboro, operates Carver mine at Stoneboro. VEIN Brookville Bed A. Thickness 4 ft. 8 in. Shaft. Pick mine. Daily capacity 500 tons.

MERCER IRON & COAL CO., Stoneboro, operates mine No. 7 at Stoneboro. VEIN Brookville Bed A. Thickness 4½ ft. Shaft. Machine and Pick mine. Daily capacity 700 to 1000 tons.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

FOWLER COAL MINING CO., THE, Youngstown, Ohio, operates Fowler mine at Jackson Center. VEIN Freeport. Thickness 4 ft. Shaft. Machine and Pick mine. Daily capacity 400 tons.

JACKSON MINING CO., Stoneboro, operates Jackson mine at Jackson Center. VEIN Brookville "A." Thickness 4 ft. 8 in. Slope. Pick mine. Daily capacity 300 tons.

LEESBURG COAL CO., Struthers, Ohio, operates mine at Leesburg. VEIN Brookville. Thickness 3½ to 4½ ft. Slope. Pick mine. Mine just developing.

OAKES BROS., Volant, operates mine at Leesburg. VEIN Brookville. Thickness 3½ ft. Shaft. Pick mine. Daily capacity 200 tons. Analysis on file.

PENNSYLVANIA FUEL CO., THE, Struthers, Ohio, operates Cribs mine at Leesburg. VEIN Brookville. Thickness 4½ to 5 ft. Shaft. Pick mine. Daily capacity 350 tons. Analysis on file.

SHARON COAL & LIMESTONE CO., Pittsburgh, operates mine No. 5 at Mercer. VEIN Brookville. Thickness 5 ft. Shaft. Machine and Pick mine. Daily capacity 600 tons.

SHARPSVILLE RAILROAD.

BERGER-AIKEN COAL CO., Pittsburgh, operates Bethel mine at Bethel. VEIN Brier Hill Block. Thickness*. Shaft. Pick mine. Daily capacity 300 tons. Trade name "Brier Hill Block."

SOMERSET COUNTY—County Seat, Somerset.

BALTIMORE & OHIO RAILROAD.

AJAX COAL CO., Meyersdale, operates Ajax mine at Meyersdale. VEIN Redstone. Thickness 5 ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "Ajax."

*NOT REPORTED

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PENNSYLVANIA—Somerset County—B. & O. R. R.—(Continued)

ALTHOUSE & CO., W. D., Philadelphia, operates Franklin mine at Jerome Junction. VEINS "B" and "C" Prime. Thickness 3 ft. 8 in. and 3 ft. respectively. Slope and Drift. Pick and Machine mine. Daily capacity 250 tons. Trade name "Franklin." Analysis on file.

BROTHERS VALLEY COAL CO., New York, N. Y., operates Pen Mar mines Nos. 2 and 3 at MacDonaldton. VEIN Lower Kittanning. Thickness 5 ft. Shaft and Slope respectively. Machine and Pick mines. Daily capacity 5000 tons. Trade name "Pen Mar."

CARBO SMOKELESS COAL CO., Johnstown, operates Bethel mines Nos. 1, 2 and 3 at Holsopple. VEINS "B" and "C." Thickness 52 in. and 45 in. respectively. Slope and Drifts. Pick mines. Daily capacity 500 tons. Trade name "Carbo." Analysis on file.

CONSOLIDATION COAL CO., Inc., THE, Baltimore, Md., operates Casselman mine at Garrett. VEIN "D." Thickness 2 ft. 10 in. Drift. Pick mine. Daily capacity 225 tons. Analysis on file.

Same Company operates Pine Hill mine No. 1 at Pine Hill. VEIN Platt. Thickness 5 ft. Incline. Pick mine. Daily capacity 750 tons. Analysis on file.

Same Company operates Wilson Creek mine at Rockwood. VEIN "A." Thickness 5 ft. Drift. Pick mine. Daily capacity 425 tons. Analysis on file.

Same Company operates Listie mine at Listie. VEIN "C" Prime. Thickness 4½ ft. Drift. Pick mine. Daily capacity 400 tons. Analysis on file.

Same Company operates Stuart mine at Landstreet. VEIN Miller or "B." Thickness 3½ ft. Incline. Pick mine. Daily capacity 150 tons. Analysis on file.

Same Company operates Jenner mine No. 1 at Stoughton, and No. 3 at Jenner. VEIN "C" Prime. Thickness 4½ and 4 ft. respectively. Slopes. No. 3 Pick and No. 1 Machine mine. Daily capacity 950 tons. Analysis on file.

Same Company operates Elk Lick mine No. 3 and Summit mine No. 2 at Meyersdale. VEIN Redstone. Thickness 5 ft. Inclines. Pick mines. Daily capacity 775 tons. Analysis on file.

Same Company operates Elk Lick mine No. 1 and Summit mine No. 1 at Meyersdale. VEIN Pittsburgh. Thickness 8 ft. Drifts. Pick mines. Daily capacity 1675 tons. Analysis on file.

Same Company operates Elk Lick mine No. 2 at Meyersdale and Hamilton mine at Boynton. VEIN Pittsburgh. Thickness 8 and 9 ft. respectively. Drifts. Pick mines. Daily capacity 625 tons. Analysis on file.

Same Company operates Jenner mine No. 2 at Jenner, and Nos. 4 and 5 at Acosta. VEIN "C" Prime. Thickness 4 ft. Drifts. Machine mines. Daily capacity 2300 tons. Analysis on file.

CORONET COAL CO., Berlin, operates Standard mines Nos. 1, 2 and 3 at Pine Hill Station. VEIN*. Thickness 4 ft. Drifts. Pick mines. Daily capacity 500 tons. Trade name "Coronet."

*NOT REPORTED

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PENNSYLVANIA—Somerset County—B. & O. R. R.—(Continued)

ENTERPRISE COAL CO., Garrett, operates Ponfeigh mine at Garrett. VEIN "C." Thickness 4 ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "Ponfeigh Smokeless." Analysis on file.

FEDERAL COAL CO. of PHILADELPHIA, Philadelphia, operates Federal mine at Hooversville. VEIN "B." Thickness 3½ ft. Drift. Pick mine. Daily capacity 300 tons.
Same Company operates Federal mine No. 4 at Hooversville. VEIN "C." Thickness 4 ft. Drift. Pick mine. Daily capacity 100 tons. Mine just developing.

GLOBE COAL & COKE CO., Pittsburgh, operates Fort Hill mine at Fort Hill. VEINS "B" or Miller and "C" Prime. Thickness 3½ ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "Fort Hill Smokeless."

GRASSY RUN COAL CO., Elk Lick, operates Grassy Run mines Nos. 1 and 2 at Elk Lick. VEIN Cumberland Big Vein. Thickness 9 ft. Drift. Pick mine. Daily capacity 1000 tons. Analysis on file.

HAMILTON & CO., S. M., Baltimore, Md., operates Adams mine at Adams. VEIN "C" Prime. Thickness 4 ft. Drift. Machine and Pick mine. Daily capacity 500 tons. Trade name "Adams."

HAWS COAL CO., Johnstown, operates mine at Holsopple. VEIN Miller. Thickness 4 ft. Shaft. Machine and Pick mine. Daily capacity 500 tons. Trade name "Lenore."

HOCKING COAL CO., Meyersdale, operates mine at Garrett. VEIN "C." Thickness average 4½ ft. Slope. Machine and Pick mine. Daily capacity 500 tons. Trade name "Garrett." Analysis on file.

HUFF COAL CO., THE, Humbert, operates Maude mine at Humbert. VEIN "C" Prime. Thickness 3 ft. Drift. Pick mine. Daily capacity 250 tons. Trade name "Laurel Quemahoning."

KEYSTONE COAL CO., York, operates Glen McClaren mine at Glen McClaren. VEIN Lower Kittanning. Thickness 4 ft. 8 in. Drift. Machine and Pick mine. Daily capacity 500 tons. Analysis on file.

MERRILL & CO., W. A., Garrett, operates Enterprise mine at Garrett. VEIN "C." Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "Enterprise." Analysis on file.

MEYERSDALE FUEL CO., Meyersdale, operates Yoder and Henry mines at Coal Run. VEIN Pittsburgh. Thickness 7 ft. Drifts. Pick mines. Daily capacity 350 tons.

MEYERSDALE SMOKELESS COAL CO., Meyersdale, operates Margaret mine at Meyersdale. VEIN Redstone. Thickness 5 ft. Drift. Pick mine. Daily capacity 225 tons.

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The Rose Coal Company

Rockefeller Bldg., CLEVELAND, O.

AUSTIN POWDER COMPANY

Manufacturers of
Mining Powder, Blasting Powder and High Explosives

Dealers in
Fuse, Caps and Blasting Supplies

CLEVELAND OHIO

PENNSYLVANIA—Somerset County—B. & O. R. R.—(Continued)

QUEMAHONING COAL CO., Somerset, operates Ralphton mines Nos. 1, 2, 3 and 4 at Ralphton. VEIN "C" Prime. Thickness 4 ft. Slope and Drifts. Pick mines. Daily capacity 1800 tons. Trade name "Ralphton Quemahoning."

READING IRON CO., Kimmelton, operates Reading mines Nos. 3 and 4 near Stoyestown. VEINS "C" and "E." Thickness 3 and 3½ ft. Drifts. Machine mines. Daily capacity 2000 tons. Trade name "Quemahoning." Analysis on file.

ROWE, FREDERICK, Meyersdale, operates Mystic mine at Myersdale. VEIN Pittsburgh. Thickness 8 ft. Drift. Pick mine. Daily capacity 150 tons.

SMITH, MEYERS & CO., Philadelphia, operates Anspach mine at Confluence. VEIN*. Thickness 4 to 5 ft. Drift. Machine mine. Daily capacity 500 tons. Trade name "Anspach."

SOMERSET FUEL CO., New York, N. Y., operates Beale's mine at Listonburg. VEINS "D" and "C" Prime. Thickness 11 ft. Drift. Pick mine. Daily capacity 300 tons.

SOMERSET & CAMBRIA COAL CO., Johnstown, operates Mine No. 1 at Foustwell. VEIN Miller. Thickness 4 ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "Foustwell."

STONER COAL CO., Berlin, operates Stoner mines Nos. 1 and 2 at Berlin. VEIN Price. Thickness 4 ft. Drift. Pick mine. Daily capacity 300 tons

PENNSYLVANIA RAILROAD—(PENNA. LINES)

SHADE COAL MINING CO., Mount Pleasant, operates Hagevo Colliery at Arrow. VEIN "B" or Miller. Thickness 3½ to 4 ft. Drift. Pick mine. Daily capacity 400 tons. Trade name "Best Miller." Analysis on file.

TIOGA COUNTY—County Seat, Wellsboro.

ERIE RAILROAD.

BOWER COAL CO., Blossburg, operates Bower mine at Blossburg. VEIN Blossburg. Thickness 3 ft. 2 in. Drift. Pick mine. Daily capacity 20 tons. Analysis on file.

JENKINS BROS., Blossburg, operates mine at Blossburg. VEIN Blossburg. Thickness 3 ft. 2 in. Pick mine. Daily capacity 140 tons. Analysis on file.

MORRIS RUN COAL MINING CO., Wilkes Barre, operates Rattler and Morris Run mines at Rattler and Morris Run respectively. (Also N. Y. C. & H. R. R. R.) VEIN Blossburg. Thickness 3 ft. Drift. Pick mine. Daily capacity 2500 tons. Analysis on file.

*NOT REPORTED

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M. A. HANNA & CO.

SALES AGENTS CLEVELAND, OHIO

Pittsburg & Eastern Coal Co.

PENNSYLVANIA—Tioga County—Erie R. R.—(Continued)

SCHULTZ, CHAS., Blossburg, operates Coal Run mine No. 1 at Blossburg. (Also N. Y. C. & H. R. R. R.) VEIN Blossburg. Thickness 2½ ft. Drift. Pick mine. Daily capacity 30 tons.

NEW YORK CENTRAL & HUDSON RIVER RAILROAD.

FALL BROOK COAL CO., Corning, N. Y., operates Anna S mine at Antrim. VEIN Blossburg. Thickness*. Drift. Machine and Pick mine. Daily capacity 1000 tons.

GOLDEN BROS., Blossburg, operate Coal Run mine at Blossburg. VEIN Blossburg. Thickness 2 ft. Slope. Pick mine. Daily capacity 100 tons.

MORRIS RUN COAL MINING CO., Wilkes Barre, operates Rattler and Morris Run mines at Rattler and Morris Run respectively. (See Erie R. R.)

SCHULTZ, CHAS., Blossburg, operates Coal Run mine No. 1 at Blossburg. (See Erie R. R.)

WASHINGTON COUNTY—County Seat, Washington.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

CLYDE COAL CO., Pittsburgh, operates Clyde mine at Fredericktown. VEIN Pittsburgh. Thickness 6½ to 7 ft. Drift. Machine mine. Daily capacity 2200 tons. Trade name "Celebrated Clyde." Analysis on file.

DIAMOND COAL & COKE CO., Pittsburgh, operates Huston Run mine at Huston Run. VEIN Pittsburg. Thickness 6 ft. Drift. Machine mine. Daily capacity 1800 tons. Analysis on file.
Same Company operates Diamond mine near West Brownsville. VEIN Pittsburgh. Thickness 8 ft. Slope. Machine mine. Daily capacity 1500 tons. Analysis on file.

ELLSWORTH COLLIERIES CO., Ellsworth, operates mines Nos. 1 and 2 at Ellsworth and mines Nos. 3 and 4 at Cokeburg. VEIN Pittsburgh. Thickness 6 ft. Shafts. Machine mines. Daily capacity 8200 tons. Analysis on file.

MAPLE GLEN COAL & COKE WORKS, Fredericktown, operates Maple Glen mine at Centreville. VEIN Pittsburgh. Thickness 7 ft. Drift. Pick mine. Daily capacity 600 tons.

PITTSBURGH & EASTERN COAL CO., Cleveland, Ohio, operates mines Nos. 1, 2 and 3 at Cherry Valley. VEIN Pittsburgh. Thickness 5½ ft. Shafts. Machine and Pick mines. Daily capacity 3000 tons. Analysis on file.

PITTSBURGH PLATE GLASS CO., Pittsburgh, operates Charleroi Coal Works at Charleroi. VEIN Pittsburgh. Thickness 6 ft. Drift. Machine mine. Daily capacity 1800 tons. Trade name "Charleroi." Analysis on file.

SANFORD COAL CO., J. H., Pittsburgh, operates Armide mine at Raccoon. VEIN Pittsburgh. Thickness 5½ ft. Drift. Machine mine. Daily capacity 2000 tons. Analysis on file.

*NOT REPORTED

J. H. Sanford Coal Company

Miners and Shippers of

Genuine Pittsburgh Coal

Park Building PITTSBURGH, PA.

W. H. WARNER & CO. OPERATORS AND EXCLUSIVE SALES AGENTS
The Wolf Run Coal Co. Peytona Block Coal Co.
The Warner Leonard Coal Co.
The Pocahontas-Domestic Coal Co. CLEVELAND, O

PENNSYLVANIA—Washington County—P. R. R.—(Continued)

STAR COAL CO., Pittsburgh, operates Star mine at Courtney. VEIN Pittsburgh. Thickness 4½ ft. Drift. Machine mine. Daily capacity 800 tons. Analysis on file.

WARNER-LEONARD COAL CO., THE, Cleveland, Ohio, operates Kinder mine at West Brownsville. VEIN Pittsburgh Youghiogheny. Thickness 8 to 9 ft. Slope. Machine mine. Daily capacity 1000 tons. W. H. Warner & Co., Cleveland, Ohio, Exclusive Sales Agents.

PITTSBURGH, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY—(PENNA. LINES)

BULGER BLOCK COAL CO., Pittsburgh, operates Bulger mine at Bulger. VEIN Pittsburgh. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1200 tons. Trade name "Bulger Block."

CARNEGIE COAL CO., Pittsburgh, operates Primrose mine at Primrose. VEIN Pittsburgh. Thickness 5 ft. Drift. Machine mine. Daily capacity 2000 tons. Trade name "Carnegie." Analysis on file.

MEADOW LANDS COAL CO., Pittsburgh, operates Arden mine No. 2 at Arden Station. VEIN Pittsburgh. Thickness 6 ft. Shaft. Machine mine. Daily capacity 2500 tons. Trade name "Meadow Lands."
Same Company operates Meadow Lands mine No. 1 at Meadow Lands Station. VEIN Pittsburgh. Thickness 6 ft. Slope. Machine mine. Daily capacity 1000 tons. Trade name "Meadow Lands."

PITTSBURGH & ERIE COAL CO., Erie, operates Raccoon mine No. 1 at Burgettstown. VEIN Pittsburgh. Thickness 5 ft. Drift. Machine mine. Daily capacity 1000 tons.

VERNER COAL & COKE CO., Carnegie, operates Verner mine at Bulger. VEIN Pittsburgh. Thickness 5 ft. Slope. Machine mine. Daily capacity 1500 tons. Analysis on file.

YOUGHIOGHENY & OHIO COAL CO., THE, Cleveland, Ohio, operates Manifold mines Nos. 1 and 2 at Manifold. VEIN Pittsburgh.

PITTSBURGH, VIRGINIA & CHARLESTON RAILROAD—(PENNA. LINES)

BESSEMER COKE CO., Pittsburgh, operates Millsboro mine at Millsboro. VEIN Connellsville. Thickness 7 ft. Slope. Pick mine. Daily capacity 700 tons.

DUNKIRK GAS COAL CO., Pittsburgh, operates Acme mine at Bentleyville. VEIN Pittsburgh. Thickness 7 ft. Shaft. Machine mine. Daily capacity 2000 tons. Analysis on file.
Same Company operates Dunkirk mine at Frye Station. VEIN Pittsburgh. Thickness 6½ ft. Slope. Machine mine. Daily capacity 1500 tons. Analysis on file.

Carnegie Coal Company, Inc.
Miners and Shippers of
Pittsburgh-Youghiogheny Coal
PITTSBURGH, ... PENNSYLVANIA

BURTON POWDER CO., Pittsburg, Pa.

MANUFACTURERS OF

BLASTING POWDER AND PERMISSIBLE EXPLOSIVES

PENNSYLVANIA—Washington County—P. V. & C. R. R.—(Continued)

PITTSBURGH-WESTMORELAND COAL CO., Pittsburgh, operates Shoenberger mine at Baird. VEIN Pittsburgh. Thickness 6½ ft. Drift. Machine mine. Daily capacity 3500 tons. Analysis on file.

Same Company operates Hazel Kirk mine No. 1 at Hazel Kirk. VEIN Pittsburgh. Thickness 6½ ft. Shaft and Slope. Machine mine. Daily capacity 2500 tons. Analysis on file.

Same Company operates Acme mine No. 2 at Bentleyville. VEIN Pittsburgh. Thickness 7 ft. Slope. Machine mine. Daily capacity 2000 tons. Analysis on file.

Same Company operates Hazel Kirk mine No. 2 at Van Voorhis. VEIN Pittsburgh. Thickness 6½ ft. Shaft. Machine mine. Daily capacity 1500 tons. Analysis on file.

VESTA COAL CO., Pittsburgh, operates Vesta mines Nos. 1 and 3 at Allenport, No. 4 at California, and No. 5 at Fredericktown. VEIN Pittsburgh. Thickness 6½ ft. Drifts. Machine mines. Daily capacity 9100 tons. Analysis on file.

WABASH PITTSBURGH TERMINAL RAILWAY.

MEADOW LANDS COAL CO., Pittsburgh, operates mine No. 3 at Avella Station. VEIN Pittsburgh. Thickness 6 ft. Slope. Machine mine. Daily capacity 1500 tons. Trade name "Wabash Thin Vein."

PENOBSCOT COAL CO., Greensburg, operates Penobscot mine at Virginia. VEIN Pittsburgh. Thickness 5 ft. Drift. Machine and Pick mine. Daily capacity 600 tons. Trade name "Penobscot."

PITTSBURGH & SOUTHWESTERN COAL CO., Avella, operates Donohue mine at Avella. VEIN Pittsburgh. Thickness 5 ft. 3 in. Slope. Machine mine. Daily capacity 800 tons. Analysis on file.

PRYOR COAL COMPANY, Greensburg, operates Avella mine at Avella. VEIN Pittsburgh. Thickness 5 ft. Drift. Machine mine. Daily capacity 1000 tons.

WASHINGTON COUNTY COAL CO., Hanlin Station, operates Cedar Grove mine at Studa. VEIN Pittsburgh. Thickness 5 ft. Slope. Machine mine. Daily capacity 500 tons. Trade name "Wabash Pittsburgh." Analysis on file.

WAVERLY COAL & COKE CO., THE, Pittsburgh, operates Cross Creek mine at Avella. VEIN Pittsburgh. Thickness 5½ ft. Drift. Machine mine. Daily capacity 800 tons.

WESTMORELAND COUNTY—County Seat, Greensburg.

BALTIMORE & OHIO RAILROAD.

ADAMSBURG GAS COAL CO., Greensburg, operates Gress mine at Adamsburg. VEIN Pittsburgh. Thickness 7 ft. Drift and Slope. Pick mine. Daily capacity 500 tons. Analysis on file.

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Rockefeller Bldg., Cleveland, O.

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PENNSYLVANIA—Westmoreland County—B. & O. R. R.—(Continued)

BRUSH RUN COAL & COKE CO., Mount Pleasant, operates Brush Run mine at Mount Pleasant. VEIN Pittsburgh. Thickness 8 ft. Slope. Daily capacity 75 tons. Coke analysis on file.

LAKE SHORE GAS COAL CO., Suterville, operates Ayres Hollow mine at Suterville. VEIN Pittsburgh. Thickness 5 ft. 8 in. Slope. Machine mine. Daily capacity 600 tons. Analysis on file.

LIGONIER VALLEY RAILROAD.

COLUMBIA COAL & COKE CO., Pittsburgh, operates Old Colony mines Nos. 1 and 2 near Ligonier. VEIN Connellsville Coking. Thickness 7½ ft. Drifts. Pick mines. Daily capacity 2000 tons.

DARLINGTON COAL CO., Ligonier, operates Darlington mine at Darlington. VEIN Freeport. Thickness 3½ ft. Drift. Pick mine. Daily capacity 50 tons. Analysis on file.

FORT LIGONIER COAL CO., Latrobe, operates Fort Ligonier mines at Ligonier. VEIN Pittsburgh. Thickness 7 ft. Drift. Pick mine. Daily capacity 500 tons.

FORT PALMER COAL & COKE CO., Latrobe, operates mine No. 1 at Ligonier. VEIN Connellsville. Thickness 7 ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "Palmer."

LIGONIER DIAMOND COAL & COKE CO., Ligonier, operates Seger mine at Wilpen. VEIN Connellsville. Thickness 8 ft. Drift. Pick mine. Daily capacity 600 tons. Analysis on file.

SHENANGO FURNACE CO., THE, Pittsburgh, operates Wilpen mine at Wilpen. VEIN Pittsburgh. Thickness 7 ft. Drift. Pick mine. Daily capacity 1000 tons.

UNITY-CONNELLSVILLE COKE CO., Latrobe, operates Elizabeth mine at Latrobe. VEIN Connellsville. Thickness 7 ft. Slope. Pick mine. Daily capacity 225 tons. Analysis on file.

PENNSYLVANIA RAILROAD—(PENNA. LINES)

APOLLO COAL CO., Greensburg, operates North West mine at Salina. VEIN Freeport. Thickness 4½ ft. Drift. Pick mine. Daily capacity 550 tons. Trade name "Apollo." Analysis on file.

ATLANTIC CRUSHED COKE CO., Greensburg, operates Atlantic mines Nos. 1, 2 and 3 at Bradenville. VEIN Pittsburgh Connellsville Basin. Thickness 6½ ft. Drift and Shafts. Pick mines. Daily capacity 1600 tons. Trade name "Atlantic" or "Latrobe."

BEN FRANKLIN COAL CO., Freeport, operates Metcalf mine at Metcalf Station. VEIN Upper Freeport. Thickness 4 ft. Drift. Machine mine. Daily capacity 500 tons. Analysis on file.

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J. Blair Kennerly
COAL and COKE
Penn Square Bldg. PHILADELPHIA

PENNSYLVANIA—Westmoreland County—P. R. R.—(Continued)

BESSEMER COKE CO., Pittsburgh, operates Duquesne and Humphreys mines at Bradenville and Humphreys. VEIN Connellsville. Thickness 7 ft. Slope and Drift. Pick mines. Daily capacity 900 tons.

BOLIVAR COAL & COKE CO., Pittsburgh, operates Lockport mines at Lockport Station. VEIN Upper and Lower Freeport, and Kittanning. Thickness 6, 4½ and 4 ft. respectively. Drifts. Pick mines. Daily capacity 300 tons.

BOYD BROS. COAL CO., Tarentum, operates Boyd mine at Valley Camp. VEIN Freeport. Thickness 6 ft. Drift. Pick mine. Daily capacity 300 tons.

BOYD COAL CO., GEO. E., Tarentum, operates Elizabeth mine at Edgecliff. VEIN Freeport. Thickness*. Drift. Pick mine. Daily capacity 200 tons.

COCHRAN COAL CO., Inc., Williamsport, operates Cochran mine at Salina. VEIN Upper Freeport. Thickness 4 ft. 8 in. Drift. Machine mine. Daily capacity 1200 tons. Trade name "Cochran."

CONNELLSVILLE MUTUAL COKE CO., Scottdale, operates Love mine at Mutual. VEIN Connellsville. Thickness 9 to 10 ft. Drift. Pick mine. Daily capacity 100 tons.

DALLIBA COAL CO., Blairsville, operates mine at Bagdad. VEIN Upper Freeport. Thickness 3½ to 5 ft. Drift. Machine and Pick mine. Daily capacity 300 tons.

JAMISON COAL & COKE CO., Pittsburgh, operates mine No. 4 at Crab Tree. VEIN Pittsburgh. Thickness 7 ft. Slopes. Machine and Pick mine. Daily capacity 2500 tons.

Same Company operates mine No. 5 at Crab Tree. VEIN Pittsburgh. Thickness 7 ft. Drift. Pick mine. Daily capacity 500 tons.

Same Company operates mine No. 1 at Luxor, and mine No. 6 at Forbes Road. VEIN Pittsburgh. Thickness 7 ft. Slopes. Pick mines. Daily capacity 2400 tons.

Same Company operates mine No. 2 at Hannastown, and mine No. 3 at Forbes Road. VEIN Pittsburgh. Thickness 7 ft. Shafts. Machine mines. Daily capacity 4600 tons.

KENNERLY, J. BLAIR, Philadelphia, operates Valley Smokeless mine No. 2 at Seward. VEIN Miller. Thickness 4 ft. Shaft. Pick mine. Daily capacity 300 tons. Trade name "Valley Smokeless No. 2." Analysis on file.

LUCESCO COAL CO., Greensburg, operates Lucesco mine at Kiskiminetas Junction. VEIN Freeport. Thickness 3½ ft. Drift. Pick mine. Daily capacity 300 tons.

MAGEE COKE CO., Uniontown, operates Magee mine at Monmouth. VEIN Pittsburgh. Thickness 8 to 9 ft. Shaft. Pick mine. Daily capacity 90 tons.

***NOT REPORTED**

CORDAGE, WIRE ROPE, TACKLE BLOCKS

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PENNSYLVANIA—Westmoreland County—P. R. R.—(Continued)

MAJESTIC COKE CO., Uniontown, operates Empire mine at Tarr. VEIN Pittsburgh. Thickness 9 ft. Drift. Pick mine. Daily capacity 300 tons. Analysis on file.

MANOR GAS COAL CO., Philadelphia, operates mines at Claridge. VEIN Pittsburgh. Thickness*. Daily capacity 2000 tons.

NEW ALEXANDRIA COKE CO., Greensburg, operates three mines at New Alexandria. VEIN Pittsburgh. Thickness 7½ ft. Inclines. Pick mines. Daily capacity 1000 tons.

NEW YORK & CLEVELAND GAS COAL CO., Pittsburgh, operates Lyons Run mine at Pleasant Valley. VEIN Pittsburgh. Thickness 5½ ft. Drift. Pick mine. Daily capacity 1500 tons. Analysis on file.

NINEVEH COAL & COKE CO., Greensburg, operates Nineveh mine at Seward. VEIN "B" or Miller. Thickness*. Drift. Pick mine.

NORTHERN CONNELLSVILLE COKE CO., Connellsville, operates Marthabel mine at County House Junction. VEIN Connellsville. Thickness 7 ft. Drift. Pick mine. Daily capacity 80 tons.

OCEAN COAL CO., Herminie, operates Ocean mines Nos. 1 and 2 at Herminie. VEIN Pittsburgh. Thickness 6 ft. Shafts. Machine mines. Daily capacity. 4000 tons.

PEERLESS CONNELLSVILLE COKE CO., Pittsburgh, operates Carolyn mine at Alverton. VEIN Pittsburgh. Thickness 9 ft. Drift. Pick mine. Daily capacity 80 tons coke. Analysis on file.

PENN GAS COAL CO., Philadelphia, operates mines at Irwin. VEIN Pittsburgh. Thickness*. Daily capacity 6000 tons.

PITTSBURGH-WESTMORELAND COAL CO., Pittsburgh, operates Penn Manor Shaft No. 1 at Manor and Penn Manor mine No. 5 at Claridge. VEIN Pittsburgh. Thickness 7 ft. Shaft and Slope respectively. Machine mines. Daily capacity 3800 tons. Analysis on file.

SKELLY COAL CO., W. B., Export, operates Elizabeth mine at Export. VEIN Pittsburgh. Thickness 6 ft. Drift. Machine mine. Daily capacity 500 tons.

SOUTH FAYETTE COKE CO., Uniontown, operates Shirey mine at Baggaley. VEIN Pittsburgh. Thickness 8 to 9 ft. Shaft. Pick mine. Daily capacity 80 tons coke.

VALLEY CAMP COAL CO., Creighton, operates Valley Camp mine at Valley Camp. VEIN Freeport. Thickness 5 to 6 ft. Drift. Machine mine. Daily capacity 600 tons.

VALLEY COAL CO., Leechburg, operates mine at Leechburg. VEIN Upper Freeport. Thickness 4 ft. Drift. Pick mine. Daily capacity 400 tons.

***NOT REPORTED**

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PENNSYLVANIA—Westmoreland County—P. R. R.—(Continued)

VANDERGRIFT COAL CO., Saltburg, operates Vandergrift mine at West Apollo. VEIN Freeport. Thickness 3½ ft. Drift. Pick mine. Daily capacity 75 tons.

WESTMORELAND COAL CO., Philadelphia, operates mines at Yukon, Irwin, Larimer, Export and Rillton. VEIN Pittsburgh. Thickness*. Daily capacity 12000 tons. Trade name "Criterion."

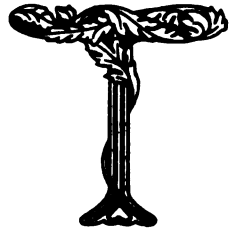
YOUGHIOGHENY & OHIO COAL CO., THE, Cleveland, Ohio, operates Osborne mines Nos. 1 and 2 at West Newton. VEIN Pittsburgh.

PITTSBURGH & LAKE ERIE RAILROAD.

HENDERSON COAL CO., Pittsburgh, operates mine at East Charleroi. VEIN Pittsburgh. Thickness 6 ft. 4 in. Drift. Machine mine. Daily capacity 1000 tons. Analysis on file.

YOUGHIOGHENY & OHIO COAL CO., THE, Cleveland, Ohio, operates Howe and Budd mines near Webster. VEIN Pittsburgh.

ZUNDELL COAL CO., THE, Smithton, operates Fisher mine No. 2 at Pricedale. VEIN Pittsburgh. Thickness 6 ft. Drift. Machine mine. Daily capacity 250 tons.



*NOT REPORTED

GOODRICH CONVEYOR BELTS

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TENNESSEE

Index of Veins, showing Counties in which they are found.

Vein	County
No. 2	Hamilton—Overton—Rhea
No. 4	Scott
No. 5	Rhea
No. 7	Hamilton
No. 10	Hamilton
Battle Creek	Marion
Block	Campbell
Blue Gem	Campbell
Bon Air	Fentress—Overton—White
Brushy Mountain	Morgan
Bryson	Claiborne
Cannel	Campbell
Coal Creek	Anderson—Morgan
Dean	Anderson—Scott
Gem	Campbell
Glen Mary No. 4	Scott
Isoline	Cumberland
Jack Rock	Claiborne
Jackson	Campbell
Jellico	Campbell—Claiborne—Scott
Jordon	Campbell
Middlesborough	Claiborne
Mingo	Claiborne
Nelson	Rhea
Obey City	Overton
Paint Rock	Scott
Peacock	Overton
Piedmont	Anderson
Poplar Lick	Claiborne
Red Ash	Campbell
Rex	Campbell
Richland	Rhea
Rich Mountain	Campbell
Sandstone Parting	Claiborne
Sewanee	Bledsoe—Cumberland—Grundy—Marion—Roane—White
Splint	Campbell
Sterling	Claiborne
Walden Ridge	Cumberland

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GEO. W. NEWTON
Superintendent
BUFFALO, N. Y.

TENNESSEE

ANDERSON COUNTY—County Seat, Clinton.

LOUISVILLE & NASHVILLE RAILROAD.

CAMPBELL COAL MINING CO., Atlanta, Ga., operates Peidmont mines at Oliver Springs. VEIN Peidmont. Thickness 3 ft. Drift. Machine mine. Daily capacity 300 tons. Trade name "Peidmont." Analysis on file.

WIND ROCK COAL & COKE CO., Bessemer, Ala., operates Wind Rock mine No. 1 at Wind Rock. VEIN Dean. Drift. Machine mine. Daily capacity 1000 tons. Trade name "Windrock Steam.' Analysis on file.

SOUTHERN RAILWAY.

ANDY'S RIDGE COAL CO., Knoxville, operates mine at Briceville. VEIN Coal Creek. Thickness 4 ft. Drift. Pick mine. Daily capacity 60 tons. Trade name "Cracker Jack." Analysis on file.

BLACK DIAMOND COAL CO., Knoxville, operates Black Diamond mines Nos. 1 and 5 at Coal Creek. VEIN Coal Creek. Thickness 4 ft. Drifts. Pick mines. Daily capacity 1200 tons. Trade name "Black Diamond."

COAL CREEK COAL CO., Knoxville, operates Fraserville and Thistle mines at Coal Creek. VEIN*. Thickness 4 ft. Drifts. Pick mines. Daily capacity 3000 tons. Trade name "Coal Creek." Analysis on file.

KNOXVILLE IRON CO., Knoxville, operates Cross Mountain mine at Briceville. VEIN Coal Creek. Thickness 48 to 52 in. Drift. Machine and Pick mine. Daily capacity 1000 tons. Trade name "Cross Mountain." Analysis on file.

RIDINGS, D. J., Briceville, operates Riding mine at Briceville. VEIN Coal Creek. Thickness 4 ft. Drift. Pick mine. Daily capacity 50 tons.

ROYAL COAL & COKE CO., Knoxville, operates Cambria mine at Coal Creek. VEIN Coal Creek. Thickness 4 ft. Drift. Machine and Pick mine. Daily capacity 800 tons. Trade name "Cambria." Analysis on file.

TENNESSEE COAL CO., THE, Knoxville, operates Tennessee and Middle Ridge mines at Briceville. VEIN Coal Creek. Thickness 4 ft. Drifts. Machine and Pick mines. Daily capacity 600 tons.

BLEDSOE COUNTY—County Seat, Pikeville.

NASHVILLE, CHATTANOOGA & ST. LOUIS RAILWAY.

ATPONTLEY COAL CO., Earlington, Ky., operates Atpontley mine at Atpontley. VEIN Sewanee. Thickness 33 in. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

*NOT REPORTED

THE UPSON-WALTON COMPANY
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MINERS AND SHIPPERS COAL
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TENNESSEE—(Continued)

CAMPBELL COUNTY—County Seat, Jacksboro.

LOUISVILLE & NASHVILLE RAILROAD.

ANCHOR COAL CO., Knoxville, operates White Oak mine at Morley. VEIN*. Thickness 3 ft. Drift. Machine mine. Daily capacity 150 tons. Trade name "Kramor." Analysis on file.

CAMPBELL COAL MINING CO., Atlanta, Ga., operates Red Star mines at Westbourne. VEIN Jackson. Thickness*. Machine mine. Daily capacity 700 tons. Trade name "Red Star." Analysis on file.
Same Company operates Buffalo mines at Eagan. (Also Southern Ry.) VEIN Jellico. Thickness 36 to 44 in. Drift. Machine mine. Daily capacity 350 tons. Analysis on file.

DAVIS CREEK COAL CO., Cupp, operates Davis Creek mine at Hobersham. VEIN Jellico. Thickness 3 ft. Drift. Pick mine. Daily capacity 150 tons. Analysis on file.

EAST TENNESSEE COAL CO., Knoxville, operates East Tennessee mine at Jellico. VEIN Jellico. Thickness 3 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Jellico." Analysis on file.

ITALY COAL CO., Jellico, operates mine at Cupp. VEIN Jellico. Thickness 30 in. Drift. Machine mine. Daily capacity 150 tons. Analysis on file.

KIMBERLEY MINING & MFG. CO., Knoxville, operates Kimberley mines at Cupp. VEIN Rich Mountain. Thickness 40 in. Drift. Pick mine. Daily capacity 350 tons. Trade name "Kimberley."

LA FOLLETTE COAL, IRON & RY. CO., LaFollette, operates Rex mine No. 1 at La Follette. (Also Southern Ry.) VEIN*. Thickness 4 ft. Drift and Slope. Machine and Pick mine. Daily capacity 750 tons. Trade name "Rex." Analysis on file.
Same Company operates Gem mine at Peabody. VEIN Gem. Thickness 4½ ft. Drift and Incline. Machine and Pick mine. Daily capacity 750 tons. Analysis on file.
Same Company operates Rex, mine No. 2 at LaFollette. (Also Southern Ry.) VEIN Rex. Thickness 4 ft. Drift and Slope. Machine and Pick mine. Daily capacity 1200 tons. Analysis on file.

REMY COAL CO., Gatliff, operates Remy mine at Remy. VEIN Rich Mountain. Thickness 3 ft. Drift and Incline. Machine mine. Daily capacity 300 tons. Trade name "Rich Mountain." Analysis on file.

RICH MOUNTAIN COAL & COKE CO., Knoxville, operates Rich Mountain mine at Bennett. VEIN Rich Mountain. Thickness 40 in. Drift. Pick and Machine mine. Daily capacity 250 tons. Trade name "Rich Mountain."

SOUTHERN COAL & COKE CO., Knoxville, operates mine at Gatliff. VEIN Jordan. Thickness average 5 ft. Drift. Pick mine. Daily capacity 550 tons. Trade name "Regal."

***NOT REPORTED**

JEFFREY COAL CUTTERS, operated electrically or by compressed air, are fully illustrated and described in Bulletins *Nos. 18 and 18A.* The Jeffrey Manufacturing Company, *Columbus, Ohio.*

One Goodrich Conveyor Belt Deserves Another
Renewal Orders Come Easily.
The B. F. Goodrich Co. Akron, Ohio

TENNESSEE—Campbell County—L. & N. R. R.—(Continued)

TENNESSEE JELLICO COAL CO., Knoxville, operates mine at Anthras. (Also Southern Ry.) VEIN*. Thickness 4½ to 5 ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "Anthras." Analysis on file.

WYNN COAL CO., Gatliff, operates mine at Gatliff. VEIN Rich Mountain. Thickness average 3 ft. Drift. Pick mine. Daily capacity 500 tons.

SOUTHERN RAILWAY.

BAIRD, LEWIS, Elk Valley, operates Elk Valley Blue Gem mine at Elk Valley. VEIN Blue Gem. Thickness 2 ft. Drift. Pick mine. Daily capacity 20 tons.

BLUE GEM COAL CO., Jellico, operates Blue Gem mine at Jellico. VEIN Blue Gem. Thickness 26 in. Drift. Pick mine. Daily capacity 300 tons.

CAMPBELL COAL MINING CO., Atlanta, Ga., operates Buffalo mines at Eagan. (See L. & N. R. R.)

CAREYVILLE COAL CO., Careyville, operates mine at Careyville. VEIN Block. Thickness 4 ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "Red Ash." Analysis on file.

ELK VALLEY COAL MINING CO., Elk Valley, operates Jellico Seam and Splint Coal mines at Elk Valley. VEINS Jellico and Splint. Thickness 3 ft. Drifts. Machine and Pick mines. Daily capacity 250 tons.

EVANS COAL CO., Knoxville, operates mine at Jellico. VEIN Blue Gem. Thickness 22 to 26 in. Drift. Pick mine. Daily capacity 175 tons. Analysis on file.

FALLS BRANCH COAL CO., Wooldridge, operates Falls Branch and Powhatan mines at Oswego. VEINS Jellico and Blue Gem. Thickness 3 to 5 ft. and 18 to 22 in. respectively. Drifts. Pick mines. Daily capacity 500 tons. Trade names "Jellico" and "Powhatan."

LA FOLLETTE COAL, IRON & RY. CO., LaFollette, operates Rex mines Nos. 1 and 2 at LaFolette. (See L. & N. R. R.)

LAYNE, M. H., Newcomb, operates Blue Gem mine at Newcomb. VEIN Blue Gem. Thickness 2 ft. Drift. Pick mine. Daily capacity 10 tons. Analysis on file.

RED ASH COAL CO., Caryville, operates Red Ash mine at Caryville. VEIN Red Ash. Thickness 44 in. Incline and Drift. Machine mine. Daily capacity 600 tons. Trade name "Red Ash." Analysis on file.

TENNESSEE JELLICO COAL CO., Knoxville, operates mine at Anthras. (See L. & N. R. R.)

WOOLDRIDGE JELLICO COAL CO., Wooldridge, operates Wooldridge and Marion-Anna mines at Wooldridge. VEIN Jellico. Thickness 2 to 5 ft. Drifts. Pick mines. Daily capacity 900 tons.

ZECHINI COAL CO., Newcomb, operates Old Italian mine at Newcomb. VEINS Jellico, Blue Gem, and Cannel. Thickness 3 ft., 2 ft., and 37 in. respectively. Inclines. Pick mines. Daily capacity 400 tons. Trade name "Italian Coal." Analysis on file.

*** NOT REPORTED**

THE UPSON-WALTON CO.

CLEVELAND, *OHIO*

CORDAGE AND TACKLE BLOCKS
BRATTICE CLOTH AND WIRE ROPE

JEFFREY COAL MINE EQUIPMENTS are selected for Mines where strictly modern and dependable apparatus is required. Write for particulars. The Jeffrey Manufacturing Company, Columbus, Ohio.

TENNESSEE—(Continued)

CLAIBORNE COUNTY—County Seat, Tazewell.

LOUISVILLE & NASHVILLE RAILROAD.

BRYSON MOUNTAIN COAL & COKE CO., Middlesboro, Ky., operates Bryson Mountain mine at Bryson Mountain. (Also Southern Ry.) VEIN Bryson. Thickness 5 ft. Drift. Pick mine. Daily capacity 900 tons. Analysis on file.

KING MOUNTAIN COAL CO., Clairfield, operates King Mountain mines at Clairfield. (Also Southern Ry.) VEIN Jellico. Thickness average 44 in. Drift. Pick mine. Daily capacity 350 tons. Analysis on file.

NEW JELLICO COAL CO., Clairfield, operates New Jellico mine at Rogerton. (Also Southern Ry.) VEIN Jellico. Thickness 34 in. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

NICHOLSON COAL MINING CO., Nicholson, operates Nicholson mine No. 2 at Nicholson. (Also Southern Ry.) VEIN Sandstone Parting. Thickness 5 ft. Drift. Pick mine. Daily capacity 300 tons.

Same Company operates Nicholson mine No. 3 at Nicholson. (Also Southern Ry.) VEIN Sterling. Thickness 5½ ft. Drift and Incline. Pick mine. Daily capacity 300 tons.

Same Company operates Poplar Lick mine at Nicholson. (Also Southern Ry.) VEIN Poplar Lick. Thickness 5 ft. Drift and Incline. Pick mine. Daily capacity 200 tons.

PRUDEN COAL & COKE CO., Knoxville, operates Pruden mine at Pruden. (Also Southern Ry.) VEIN Mingo. Thickness 5 ft. Drift. Pick mine. Daily capacity 1000 tons. Trade name "Tenn.-Jellico Block." Analysis on file.

RELIANCE COAL & COKE CO., Hartranft, operates Reliance mines Nos. 1, 2 and 3 at Hartranft. (Also Southern Ry.) VEIN Middlesborough. Thickness 5 ft. Drifts. Pick mines. Daily capacity 1000 tons. Trade name "Middlesborough." Analysis on file.

STANDARD COAL & COKE CO., Clairfield, operates Standard mine at Clairfield. (Also Southern Ry.) VEIN Jellico. Thickness 40 in. Incline. Machine mine. Daily capacity 200 tons. Trade name "Standard Jellico." Analysis on file.

YELLOW CREEK COAL CO., Middlesborough, Ky., operates Yellow Creek mine No. 1 at Bosworth, Ky. (Also Southern Ry.) VEIN Jack Rock. Thickness 4 ft. Incline. Pick mine. Daily capacity 250 tons.

Same Company operates Yellow Creek mine No. 2 at Bosworth, Ky. (Also Southern Ry.) VEIN Poplar Lick. Thickness 4½ ft. Incline. Pick mine. Daily capacity 350 tons.

G. W. WHITEMAN, President *DANIEL COOPER SWAB, V. Pres. and Gen'l Mgr*

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Brattice Cloth and Wire Rope

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THE UPSON-WALTON CO.

CLEVELAND, OHIO

TENNESSEE—Claiborne County—(Continued)

SOUTHERN RAILWAY.

BRYSON MOUNTAIN COAL & COKE CO., Middlesboro, Ky., operates Bryson Mountain mine at Bryson Mountain. (See L. & N. R. R.)

KING MOUNTAIN COAL CO., Clairfield, operates King Mountain mines at Clairfield. (See L. & N. R .R.)

NEW JELLICO COAL CO., Clairfield, operates New Jellico mine at Rogerton. (See L. & N. R. R.)

NICHOLSON COAL MINING CO., Nicholson, operates Poplar Lick mine at Nicholson. (See L. & N. R. R.)

Same Company operates Nicholson mines Nos. 2 and 3 at Nicholson. (See L. & N. R. R.)

PRUDEN COAL & COKE CO., Knoxville, operates Pruden mine at Pruden. (See L. & N. R. R.)

RELIANCE COAL & COKE CO., Hartranft, operates Reliance mines Nos. 1, 2 and 3 at Hartranft. (See L. & N. R. R.)

STANDARD COAL & COKE CO., Clairfield, operates Standard mine at Clairfield. (See L. & N. R. R.)

YELLOW CREEK COAL CO., Middlesboro, Ky., operates Yellow Creek mines Nos. 1 and 2 at Bosworth. Ky. (See L. & N. R. R.)

CUMBERLAND COUNTY—County Seat, Crossville.

TENNESSEE CENTRAL RAILROAD.

CLEAR CREEK COAL & LUMBER CO., Isoline, operates Isoline mine at Isoline. VEIN Isoline. Thickness 3 to 5 ft. Drift and Slope. Machine and Pick mine. Daily capacity 300 tons.

FALL CREEK COLLIERIES, Ozone, operates Fall Creek mine at Ozone. VEIN Sewanee. Thickness 5½ ft. Drift. Pick mine. Daily capacity 250 tons. Analysis on file.

RENFRO COAL & COKE CO., Renfro, operates Renfro mine at Renfro. VEIN Sewanee. Thickness 5 ft. Drift and Slope. Pick mine. Daily capacity 100 tons. Trade name "Renfro." Analysis on file.

WALDENSIA COAL & COKE CO., THE, Cincinnati, O., operates Waldensia mine at Waldensia. VEIN Walden Ridge. Thickness 5 to 6 ft. Slope. Pick mine. Daily capacity 400 tons. Trade name "Waldensia." Analysis on file.

FENTRESS COUNTY—County Seat, Jamestown.

TENNESSEE CENTRAL RAILROAD.

FENTRESS COAL & COKE CO., THE, Wilder, operates Fentress mine at Wilder. VEIN Bon Air No. 2. Thickness 4 ft. Drift. Pick mine. Daily capacity 450 tons. Trade name "Fentress." Analysis on file.

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TENNESSEE—(Continued)

GRUNDY COUNTY—County Seat, Altamont.

NASHVILLE, CHATTANOOGA & ST. LOUIS RAILWAY.

FLAT BRANCH COAL CO., Meeks, operates Flat Branch mine at Meeks. VEIN Sewanee. Thickness 3 to 4 ft. Pick mine. Daily capacity 150 tons. Analysis on file.

NUNLEY RIDGE COAL CO., Tracy City, operates mine at Tracy City. VEIN Sewanee. Thickness 40 in. Drift. Pick mine. Daily capacity 800 tons. Trade name "Celebrated Sewanee Steam." Analysis on file.

SEWANEE FUEL & IRON CO., Chattanooga, operates mine at Coalmont. VEIN Sewanee. Thickness 3 ft. Drift. Pick mine. Daily capacity 800 tons. Trade name "Sewanee." Analysis on file.

TENNESSEE CONSOLIDATED COAL CO., Tracy City, operates Ramsey and Reid Hill mines at Tracy City. VEIN Sewanee. Thickness 40 in. Drifts. Pick mines. Daily capacity 1500 tons. Trade name "Sewanee Steam."

HAMILTON COUNTY—County Seat, Chattanooga.

CINCINNATI, NEW ORLEANS & TEXAS PACIFIC RAILWAY.

MONTLAKE COAL CO., Chattanooga, operates Montlake mine at Montlake. VEIN No. 10. Thickness 56 in. Drift. Pick mine. Daily capacity 500 tons. Trade name "Montlake." Analysis on file.

NEW SODDY COAL CO., Soddy, operates Soddy mine at Soddy. VEIN No. 7. Thickness 30 in. Drift. Pick mine. Daily capacity 1200 tons. Trade name "Soddy." Analysis on file.

SALE CREEK COAL & COKE CO., Soddy, operates Sale Creek mine at Sale Creek. VEIN No. 2. Thickness 3½ ft. Drift. Pick mine. Daily capacity 450 tons. Analysis on file.

MARION COUNTY—County Seat, Jasper.

NASHVILLE, CHATTANOOGA & ST. LOUIS RAILWAY.

BATTLE CREEK COAL & COKE CO., Orme, operates Battle Creek mine at Orme. VEIN Battle Creek. Thickness 6 ft. Drift. Machine and Pick mine. Daily capacity 500 tons. Analysis on file.

TENNESSEE COAL, IRON & RAILROAD CO., Birmingham, Ala., operates Thomas mine at Whitwell. VEIN Sewanee. Thickness 3 to 4 ft. Slope. Pick mine. Daily capacity 1200 tons.

MORGAN COUNTY—County Seat, Wartburg.

HARRIMAN & NORTH-EASTERN RAILROAD.

BIG BRUSHY COAL & COKE CO., Petros, operates mine at Petros. VEIN Brushy Mountain. Thickness 3½ ft. Drift. Machine mine. Daily capacity 500 tons.

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THE UPSON-WALTON COMPANY CLEVELAND OHIO

BRATTICE CLOTH and WIRE ROPE

CORDAGE and TACKLE BLOCKS

TENNESSEE—Morgan County—H. & N. E. R. R.—(Continued)

BOWLING, H. B., COAL CO., Coalfield, operates Bowling mine at Coalfield. VEIN Coal Creek. Thickness 5 ft. Drift. Pick and Machine mine. Daily capacity 500 tons. Trade name "Bowling."

BRUSHY MOUNTAIN COAL MINES, Petros, operates Brushy Mountain mine at Petros. VEIN*. Thickness 3½ ft. Slope. Machine and Pick mine. Daily capacity 1600 tons.

LITTLE BRUSHY MOUNTAIN COAL CO., Coalfield, operates Little Brushy mine at Coalfield. VEIN Brushy Mountain. Thickness 3½ ft. Drift. Machine mine. Daily capacity 200 tons. Trade name "Little Brushy."

SOUTHERN RAILWAY.

BIG MOUNTAIN COAL MINING CO., Knoxville, operates Blizzard mine at Oliver Springs. VEIN Coal Creek. Thickness 4 ft. Drift. Pick mine. Daily capacity 125 tons. Trade name "Blizzard."

OLIVER COAL CO., Oliver Springs, operates Middle Creek mine near Oliver Springs. VEIN Coal Creek. Thickness 3 to 7 ft. Drift. Pick mine. Daily capacity 100 tons.

OLIVER SPRINGS COAL & CLAY CO., Oliver Springs, operates mine at Oliver Springs. VEIN Coal Creek. Thickness 3 ft. Drift. Pick mine.

POPLAR CREEK COAL CO., Knoxville, operates Poplar Creek mine at Big Mountain. VEIN Coal Creek. Thickness 44 in. Drift. Pick mine. Daily capacity 300 tons.

OVERTON COUNTY—County Seat, Livingston.

TENNESSEE CENTRAL RAILROAD.

BRIER HILL COLLIERIES, THE, New York, N. Y., operates Brier Hill mines Nos. 1, 2 and 4 at Crawford. VEIN No. 2. Thickness 2½ to 5 ft. Drifts. Pick mines. Daily capacity 500 tons. Trade name "Brier Hill." Analysis on file.

OBEY CITY COAL CO., Obey City, operates Obey City mine No. 1 at Obey City. VEIN Obey City or Peacock. Thickness 2½ to 3½ ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

PEACOCK COAL & COKE CO., Lebanon, operates Peacock mine at Obey City. VEIN Bon Air No. 2. Thickness 3 ft. Drift. Pick mine. Daily capacity 100 tons.

RHEA COUNTY—County Seat, Dayton.

CINCINNATI, NEW ORLEANS & TEXAS PACIFIC RAILWAY.

DAYTON COAL & IRON CO., THE, Ltd., Dayton, operates Richland and New Prospect mines at Dayton. VEINS Richland and Nelson. Thickness 22 in. and 4 ft. respectively. Drift and Slope. Pick mines. Capacity 600 tons. Analysis on file.

* NOT REPORTED

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TENNESSEE—Rhea County—C. N. O. & T. P. Ry.—(Continued)

FOX COAL CO., Soddy, operates Fox mine at Graysville. VEINS Nos. 2 and 5. Thickness 40 in. Drift. Pick mine. Daily capacity 600 tons. Analysis on file.

ROANE COUNTY—County Seat, Kingston.

CINCINNATI, NEW ORLEANS & TEXAS PACIFIC RAILWAY.

ROANE IRON CO., Rockwood, operates Old Mine at Rockwood. (Also Tenn. Central Ry.) VEIN Sewanee. Thickness 5 ft. Slope. Pick mine. Daily capacity 700 tons. Analysis on file.

TENNESSEE CENTRAL RAILROAD.

ROANE IRON CO., Rockwood, operates McLean mine at McLeans. VEIN Sewanee. Thickness 5 ft. Slope. Pick mine. Mine just developing. Analysis on file.

Same Company operates Old Mine at Rockwood. (See C. N. O. & T. P. Ry.)

SCOTT COUNTY—County Seat, Huntsville.

CINCINNATI, NEW ORLEANS & TEXAS PACIFIC RAILWAY.

GLEN MARY COAL & COKE CO., Glen Mary, operates Glen Mary mine at Glen Mary. VEIN Glen Mary No. 4. Thickness 3 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Glen Mary."

SCOTT COUNTY COAL CO., Helenwood, operates Lehigh mine at Helenwood. VEIN*. Thickness 3 to 4 ft. Drift. Machine mine Daily capacity 85 tons.

SOUTHERN RAILWAY.

LeMOYNE, JOHN V., Melvale, Md., operates LeMoyne mines at Isham. VEIN Jellico. Thickness 33 in. Drift. Machine and Pick mine. Daily capacity 150 tons.

TENNESSEE RAILWAY.

BAKER COAL & COKE CO., Harriman, operates Arch Mountain mine at Newland. VEIN Dean. Thickness 4 ft. Drift. Pick mine. Daily capacity 400 tons. Trade name "Arch Mountain."

ONEIDA COAL CO., Oneida, operates Terry mine at Oneida. VEIN Paint Rock. Thickness 32 in. Drift. Machine mine. Daily capacity 200 tons. Trade name "Paint Rock."

PINE KNOT COAL CO., Harriman, operates Jakes Branch mine at Laxton. VEIN No. 4. Thickness 3 ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "Paint Rock."

STANLEY COAL CO., Harriman, operates Stanley mine at Fogal. VEIN Paint Rock No. 4. Thickness 3 ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "Paint Rock."

***NOT REPORTED**

JEFFREY ELECTRIC ROTARY DRILL for Coal, Shale, Slate, Clay, etc. Bulletin No. 16 illustrates and describes Drills in operation. Send for it. The Jeffrey Manufacturing *Company, Columbus*, Ohio.

THE UPSON-WALTON COMPANY
CLEVELAND, OHIO
Brattice Cloth and Wire Rope
Cordage and Tackle Blocks

TENNESSEE—(Continued)

WHITE COUNTY—County Seat, Sparta.

NASHVILLE, CHATTANOOGA & ST. LOUIS RAILWAY.

BON AIR COAL & IRON CO., Nashville, operates Eastland mine at Eastland. VEIN Sewanee. Thickness 5 ft. Drift. Pick mine. Daily capacity 800 tons. Trade name "Eastland."

Same Company operates Ravenscroft mine at Ravenscroft. VEIN Bon Air. Thickness 50 in. Shaft. Machine mine. Daily capacity 800 tons. Trade name "Cumberland."

Same Company operates Bon Air mines Nos. 1 and 2 at Bon Air. VEIN Bon Air. Thickness 40 in. Shaft and Drift. Machine and Pick mines. Daily capacity 1300 tons. Trade name "Bon Air."

One Goodrich Conveyor Belt Deserves Another
Renewal Orders Come Easily.
The B. F. Goodrich Co. Akron, Ohio

VIRGINIA

Index of Veins, showing Counties in which they are found.

Vein	County
No. 2	Tazewell
No. 3	Tazewell
No. 5	Lee
No. 7	Lee
No. 8	Lee
No. 10	Lee
Big Vein	Tazewell
Black Mountain	Lee
Brush Mountain	Montgomery—Pulaski
Edwards	Wise
Imboden	Wise
Jaw Bone	Wise
Kelly	Wise
Lower Banner	Tazewell—Wise
Merrimac	Montgomery
McConnell	Lee
Pocahontas	Tazewell
Taggart	Wise
Upper Banner	Wise

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VIRGINIA

LEE COUNTY—County Seat, Jonesville.

LOUISVILLE & NASHVILLE RAILROAD.

BONDERNAUT COAL & COKE CO., Pennington Gap, operates Bondernaut mine at Bondernaut. (Also on V. & S. W. Ry.) VEIN No. 5. Thickness 50 in. Pick mine. Daily capacity 250 tons. Trade name "Virginia Blue Gem."

DOMINION COAL CO., THE, Pennington Gap, operates Mabel Edgar, Susie Ferger, and Blanche Early mines at St. Charles. (Also Southern Ry.) VEINS Nos. 5, 7, 8 and 10 respectively. Thickness 5 ft., 6 ft., 6 ft. and 9 ft., respectively. Drifts. Machine mines. Daily capacity 1000 tons. Trade name "Dominion."

MONARCH COAL CO., THE, Cincinnati, Ohio, operates Leona mine at Pennington Gap. (Also Southern Ry.) VEIN No. 5. Thickness 45 in. Drift. Pick mine. Daily capacity 300 tons. Trade name "Leona Black Mountain."

VIRGINIA IRON, COAL & COKE CO., Roanoke, operates Imperial mine at Pennnington. (Also V. & S. W. Ry.) VEIN Black Mountain. Thickness 5 ft. Drift. Machine and Pick mine. Just developing. Trade name "Black Mountain." Analysis on file.

VIRGINIA-LEE CO.,THE, Inc., Black Mountain, operates Virginia-Lee mine at Black Mountain. VEIN No. 5. Thickness 42 in. Drift. Machine and Pick mine. Daily capacity 750 tons. Analysis on file.

SOUTHERN RAILWAY.

DOMINION COAL CO., THE, Pennington Gap, operates Mabel Edgar, Susie Ferger and Blanche Early mines at St. Charles. (See Louisville & Nashville R. R.)

MONARCH COAL CO., THE, Cincinnati, Ohio, operates Leona mine at Pennington Gap. (See Louisville & Nashville R. R.)

VIRGINIA & SOUTHWESTERN RAILWAY.

BONDERNAUT COAL & COKE CO., Pennington Gap, operates Bondernaut mine at Bondernaut. (See Louisville & Nashville R. R.)

KEOKEE CONSOLIDATED COKE CO., New York, N. Y., operates McConnell mine at Keokee. VEIN McConnell. Thickness 5½ to 7 ft. Drift. Machine mine. Daily capacity 2000 tons. Trade name "Keokee."
Same Company operates Wilson mine at Keokee. VEIN Wilson. Thickness 6 to 7 ft. Drift. Machine mine. Daily capacity 500 tons. Trade name "Wilson."

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VIRGINIA—Lee County—V. & S. W. Ry.—(Continued)

VIRGINIA IRON, COAL & COKE CO., Roanoke, operates Imperial mine at Pennington. (See Louisville & Nashvile R. R.)

VIRGINIA-LEE CO., THE, Inc., Black Mountain, operates Virginia-Lee mine at Black Mountain. (See Louisville & Nashville R. R.)

MONTGOMERY COUNTY—County Seat, Christiansburg.
VIRGINIA ANTHRACITE COAL & RAILWAY CO.

SLUSSER, MURRAY C., Blacksburg, operates Brush Mountain mine at Blacksburg. VEIN Brush Mountain. Thickness 5 ft. Slope. Pick mine. Daily capacity 10 tons. Trade name "Brush Mountain Anthracite." Analysis on file.

VIRGINIA ANTHRACITE COAL CO., Richmond, operates Merrimac Mine at Merrimac Mines. VEIN Merrimac. Thickness 6 ft. Slope. Pick mine. Daily capacity 500 tons. Trade name "Merrimac."

PULASKI COUNTY—County Seat, Pulaski City.
NORFOLK & WESTERN RAILWAY.

PULASKI ANTHRACITE COAL CO., New York, N. Y., operates Pulaski mine at Parrott. VEIN Brush Mountain. Thickness 8 ft. Slope. Pick and Machine mine. Daily capacity 150 tons. Analysis on file.

TAZEWELL COUNTY—County Seat, Tazewell.
NORFOLK & WESTERN RAILWAY.

BIG VEIN POCAHONTAS COAL CO., Baltimore, Md., operates West Pocahontas mines Nos. 1, 2, and 3 at Pocahontas. VEIN No. 3. Average thickness 12 ft. Slopes. Machine and Pick mines. Daily capacity 2000 tons. Analysis on file.

CLINCH RIVER COAL CO., Richlands, operates Large mine at Richlands. VEIN Big Vein. Thickness 12 ft. Drift. Pick mine. Daily capacity 1000 tons. Trade name "Clinch River." Analysis on file.
Same Company operates Little mine at Richlands. VEIN*. Thickness 5½ ft. Pick mine. Daily capacity 100 tons. Trade name "Clinch River." Analysis on file.

EMPIRE COAL LAND CORPORATION, Alfredton, operates Alfredton mine at Alfredtown. VEIN Pocahontas. Thickness 4 ft. Drift. Machine mine. Daily capacity 800 tons.

POCAHONTAS CONSOLIDATED COLLIERIES CO., INC., Pocahontas, operates Boissevain Colliery at Boissevain. VEIN Pocahontas No. 3. Thickness 9 to 14 ft. Slope and Shaft. Machine and Pick mine. Daily capacity 1100 tons.
Same Company operates Pocahontas Colliery at Pocahontas. VEIN Pocahontas No. 3. Thickness 8 to 12 ft. Drift. Pick mine. Daily capacity 4000 tons.

*NOT REPORTED

Big Vein Pocahontas Coal Co.
POCAHONTAS COAL
Continental Building BALTIMORE

Intermont Coal & Iron Company
COAL and COKE

General Offices, BIG STONE GAP, VA.

VIRGINIA—Tazewell County—N. & W. Ry.—(Continued)

RAVEN FUEL CO., Saltville, operates Red Ash mine at Raven. VEIN*. Thickness 4 ft. Drift. Shoot from solid. Daily capacity 150 tons. Trade name "Raven Red Ash."

RAVEN RED ASH COAL CO., Inc., Red Ash, operates Red Ash mine at Red Ash. VEIN Lower Banner. Thickness 3½ ft. Drift. Machine mine. Daily capacity 300 tons. Trade name "Raven Red Ash." Analysis on file.

SOUTHERN POCAHONTAS COAL CO., Knoxville, Tenn., operates Southern Pocahontas mine at Richlands. VEIN No. 2. Thickness 5 ft. Drift. Pick mine. Daily capacity 400 tons. Trade name "Sater Red Ash."

VIRGINIA-TENNESSEE COAL CO., Inc., Knoxville, Tenn., operates Raven Red Ash mine at Raven. VEIN*. Thickness 3 to 4 ft. Drift. Pick mine. Daily capacity 1000 tons. Trade name "Raven Red Ash."

WISE COUNTY—County Seat, Wise.

CAROLINA, CLINCHFIELD & OHIO RAILWAY.

ST. PAUL COAL & COKE CO., Bluefield, W. Va., operates St. Paul mine at St. Paul. (Also N. & W. Ry.) VEIN Imboden. Thickness 4 ft. Drift. Pick mine Daily capacity 150 tons. Trade name "Black Gem."

INTERSTATE RAILROAD.

INTERMONT COAL & IRON CO., Big Stone Gap, operates Josephine mine at Josephine. (Also N. & W. Ry.) VEIN*. Thickness 5 ft. Drift. Pick mine. Daily capacity 250 tons. Trade name "Josephine."

STONEGA COKE & COAL CO., Stonega, operates Stonega mines Nos. 1, 2, 3, and 4 at Stonega. VEIN Imboden. Average thickness 6½ ft. Drifts. Pick mines. Daily capacity 1200 tons. Analysis on file.

Same Company operates Roda mines Nos. 1, 2 and 3 at Roda. VEIN Taggart. Thickness 6½ ft. Drifts. Machine mines. Daily capacity 1100 tons. Trade name "Roda Gas." Analysis on file.

Same Company operates Osaka mines Nos. 1 and 2 at Osaka. VEIN Imboden. Thickness 6½ ft. Drifts. Machine and Pick mines. Daily capacity 700 tons. Analysis on file.

Same Company operates Arno mines Nos. 1 and 2 at Arno. VEIN Imboden. Thickness 6 ft. Drifts. Machine and Pick mines. Daily capacity 550 tons. Analysis on file.

SUTHERLAND COAL & COKE CO., Dorchester, operates Sutherland mine at Manning. (Also L. & N., Southern Ry. and V. & S. W. Ry.) VEINS Kelley, Imboden and Lower Banner. Thickness 6½ ft., 6 ft., and 4 ft., respectively. Drifts. Pick mines. Daily capacity 400 tons. Trade name "Sutherland." Analysis on file.

LOUISVILLE & NASHVILLE RAILROAD.

COLONIAL COAL & COKE CO., Dorchester, operates Dorchester mine at Dorchester. VEINS Upper Banner, Lower Banner and Imboden. Thickness 8, 4, and 7 ft., respectively. Drift. Pick mine. Daily capacity 1600 tons. Trade name "Dorchester." Analysis on file.

*NOT REPORTED

Stonega Coke & Coal Company

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VIRGINIA—Wise County—L. & N. R. R.—(Continued)

ESSER COAL & COKE CO., Esserville, operates Esserville mine at Esserville. (Also N. & W. Ry.) VEIN*. Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "Esser." Analysis on file.

INTERMONT COAL & IRON CO., Big Stone Gap, operates Josephine mine at Josephine. (See Interstate R. R.)

KEOKEE CONSOLIDATED COKE CO., New York, N. Y., operates Imboden Plant at Imboden. (Also V. & S. W. Ry.) VEIN Imboden. Thickness 6 ft. Drift. Pick mine. Daily capacity 1500 tons.

NORTON COAL CO., Norton, operates Norton mine at Norton. (Also N. & W. Ry.) VEIN Edwards. Thickness 4½ to 6½ ft. Drift. Machine and Pick mine. Daily capacity 700 tons. Trade name "Norton" coal and "IXL" coke. Analysis on file.

STONEGAP COLLIERY CO., Glamorgan, operates Glamorgan mine at Glamorgan. (Also N. & W. Ry.) VEIN Edwards. Thickness 4½ to 5 ft. Drift. Machine mine. Daily capacity 600 tons. Analysis on file.

SUTHERLAND COAL & COKE CO., Dorchester, operates Sutherland mine at Manning. (See Interstate R. R.)

WISE COAL & COKE CO., Dorchester, operates Wise mine at Dorchester. VEINS Upper and Lower Banner. Thickness 7 and 4 ft., respectively. Drift. Pick mine. Daily capacity 500 tons. Trade name "Wise."

NORFOLK & WESTERN RAILWAY.

BOND COAL CO., Tacoma, operates Greeno mine at Tacoma. VEINS Imboden and Banner. Thickness 4 to 8 ft. Drift. Slope and Incline. Machine and Pick mine.

BRUCE COAL & COKE CO., Tacoma, operates Bruce mine at Bruce Siding. VEIN Imboden. Thickness 4 to 7 ft. Slope. Pick mine.

ESSER COAL & COKE CO., Esserville, operates Esserville mine at Esserville. (See Louisville & Nashville R. R.)

FLEMING, ROBERT & CO., Norton, operates Upper and Lower Banner mines at Bannervane. VEIN Upper Banner. Thickness 5½ to 6 ft. Drifts. Pick mines. Daily capacity 300 tons. Analysis on file.

NORTON COAL CO., Norton, operates Norton mine at Norton. (See L. & N. R. R.)

ST. PAUL COAL & COKE CO., Bluefield, W. Va., operates St. Paul mine at St. Paul. (See C. C. & O. Ry.)

STONEGAP COLLIERY CO., Glamorgan, operates Glamorgan mine at Glamorgan. (See Louisville & Nashville R. R.)

VIRGINIA CITY COLLIERY CO., Inc., Virginia City, operates Virginia City mine No. 1 at Virginia City. VEIN Jaw Bone (Local name). Thickness 7 ft. Drift. Pick mine. Daily capacity 400 tons. Trade name "Russell Creek."

*** NOT REPORTED**

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VIRGINIA—Wise County—N. & W. Ry.—(Continued)

VIRGINIA IRON, COAL & COKE CO., Roanoke, operates Toms Creek mine at Georgel. VEIN Banner. Thicknes 6 ft. Drift. Machine and Pick mine Daily capacity 3500 tons. Trade name "Toms Creek." Analysis on file. **Same Company** operates Marion mine at Bannervane. VEIN Banner. Thickness 6 ft. Drift. Machine and Pick mine. Daily capacity 1000 tons. Trade name "Little Toms Creek." Analysis on file.

SOUTHERN RAILWAY.

SUTHERLAND COAL & COKE CO., Dorchester, operates Sutherland mine at Manning. (See Interstate R. R.)

VIRGINIA & KENTUCKY RAILWAY.

HUETTEL COAL & COKE CO., Norton, operates Huettel mine at Norton. VEINS Banner and Edwards. Thickness 5½ ft. Drift. Pick mine. Daily capacity 150 tons. Trade name "Huettel." Analysis on file.

VIRGINIA & SOUTHWESTERN RAILWAY.

KEOKEE CONSOLIDATED COKE CO., New York, N. Y., operates Imboden plant at Imboden. (See Louisville & Nashville R. R.)

SUTHERLAND COAL & COKE CO., Dorchester, operates Sutherland mine at Manning. (See Interstate R. R.)

VIRGINIA IRON, COAL & COKE CO., Roanoke, operates Looney Creek and Linden mines at Inman. VEIN Imboden. Thickness 6 ft. Drifts. Machine and Pick mines. Daily capacity 2000 tons. Trade names "Looney Creek" and "Linden." Analysis on file.

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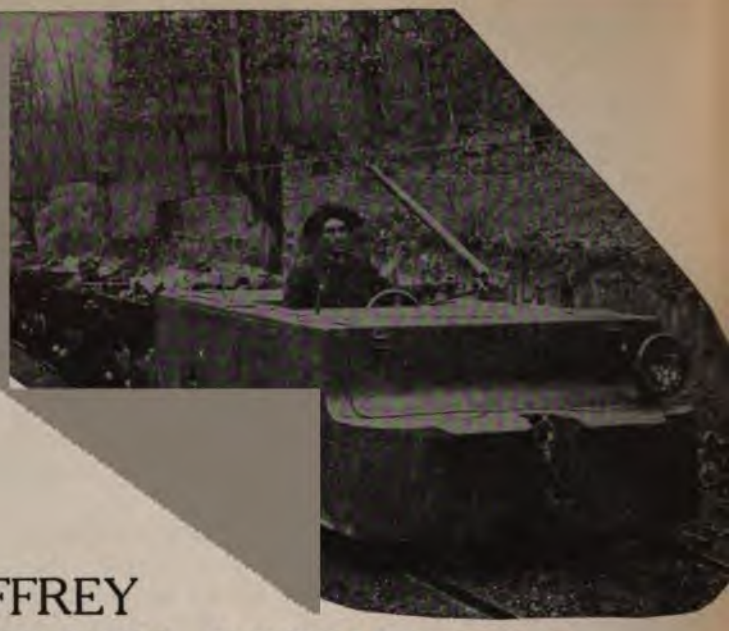

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Columbus, Ohio

1910

WEST VIRGINIA

Index of Veins, showing Counties in which they are found.

Vein	County
No. 1 or Eagle	Fayette—Kanawha
No. 2 Gas or Kanawha	Boone—Fayette—Kanawha—Logan—Mingo
No. 5 or Splint	Fayette—Kanawha—Mason
No. 8	Brooke—Fairmont—Marshall—Mason—Ohio
Alma	Mingo
Ansted	Fayette
Bakertown	Mineral
Barton	Upshur
Beckley	Raleigh
Bellmont	Kanawha
Belmont Gas	Kanawha
Belmont Splint	Kanawha
Black Band	Boone—Kanawha
Cabin Creek Gas	Kanawha
Cannel	Boone
Carbon Splint	Kanawha
Cedar Grove	Kanawha—Mingo
Coalburg	Clay—Kanawha—Mingo—Nicholas
Davis	Grant
Davy	McDowell
Draper	Logan
Eagle	Fayette—Kanawha
East Lynn	Wayne
Fire Creek	Fayette—Raleigh
Freeport	Barbour—Kanawha—Mineral—Preston
George Creek	Putnam
Glen Alum	Mingo
Hampshire	Mineral
Island Creek	Logan
Kanawha	Boone—Fayette—Kanawha—Logan—Mingo
Kittanning	Mineral—Randolph
Lewiston	Kanawha
Lower Kittanning	Barbour—Grant—Kanawha—Mineral—Randolph—Tucker
Mahoning	Hancock—Taylor
Masontown	Upshur
Mecca Gas	Fayette
Mohawk	McDowell

WEST VIRGINIA—(Continued)

Index of Veins, showing Counties in which they are found.

Vein	County
New Creek	Mineral
New River	Fayette
Nuttall	Fayette—McDowell—Nicholas—Raleigh
Peerless	Kanawha
Pittsburg	Barbour—Braxton—Brooke—Gilmer—Harrison—Lewis—Marion—Mason—Mineral—Monongalia—Ohio—Putnam—Taylor—Upshur
Pocahontas No. 3 and 4	Mercer—McDowell
Pocahontas No. 5, 6 and 7	McDowell
Pomeroy	Mason
Powellton	Fayette—Kanawha—Mingo
Queen Shoals	Clay—Kanawha
Raymond	Putnam
Red Ash	Fayette
Red Jacket	Mingo
Redstone	Barbour—Harrison—Upshur
Sewell	Fayette—McDowell—Nicholas—Raleigh
Sewickley	Marion
Six Foot	Kanawha
Smithing	McDowell
Splint	Fayette—Kanawha—Mason
Stockton	Logan
Stone Branch	Logan
Thacker	Mingo
Tyson	Mineral
Upper Freeport	Barbour—Grant—Mineral—Monongalia—Preston—Randolph—Taylor—Tucker
Upper Kittanning	Mineral
War Creek	McDowell
War Eagle, No. 1 and 2	Mingo
Warfield	Mingo
Welch	McDowell
Winifrede	Clay—Kanawha—Lincoln—Logan—Mingo

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WEST VIRGINIA

BARBOUR COUNTY—County Seat, Philippi.

BALTIMORE & OHIO RAILROAD.

CENTURY COAL COMPANY OF WEST VIRGINIA, THE, Baltimore, Md., operates Century mines Nos. 1 and 2 at Century. VEIN Redstone. Thickness 6 ft. Shafts. Machine and Pick mines. Daily capacity 3000 tons.

CONSOLIDATION COAL CO., Inc., THE, Baltimore, Md., operates Berryburg mine at Berryburg. VEIN Pittsburgh. Thickness 7 ft. Slope. Machine mine.

HUMPHREYS COLLIERY CO., Philippi, operates Humphrey Colliery at Philippi. VEIN Freeport. Thickness 5 ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

LUELLA COAL & COKE CO., Philippi, operates Luella mine at Arden. VEIN Upper Freeport. Thickness 6 ft. Drift. Pick mine. Daily capacity 150 tons.

MERIDEN COAL MINING CO., Philadelphia, Pa., operates Meriden mine at Meriden. VEIN Freeport. Thickness 6 ft. Drift. Machine mine. Daily capacity 2000 tons. Trade name "Semi-Smokeless." Analysis on file.

MIDLAND COAL & COKE CO., Scottdale, Pa., operates Midland mine at Boylen. VEIN Upper Freeport. Thickness 5 to 6 ft. Shaft. Machine mine. Daily capacity 500 tons.

PENNSYLVANIA COAL & MINING CO., Pittston, Pa., operates Adma mine at Adma. VEIN Freeport. Thickness 6 ft. Drift.

TYGARTS RIVER COAL CO., Philadelphia, Pa., operates Arden mine at Arden. VEIN Lower Kitanning. Thickness 6 ft. Drift. Machine and Pick mine. Daily capacity 500 tons. Anlysis on file.

WESTERN MARYLAND RAILROAD.

DAVIS COAL & COKE CO., Baltimore, Md., operates Weaver mine No. 3 at Weaver. VEIN Lower Kitanning. Thickness 6 ft. Drift. Pick mine. Daily capacity 325 tons. Trade name "Beaver Creek."

DAVIS COLLIERY CO., Elkins, operates mine No. 4 at Junior. VEIN Upper Freeport. Thickness*. Drift. Pick mine. Daily capacity 600 tons. Trade name "Hiawatha."

MILLER COAL & COKE CO., Junior, operates Sara mine at Junior. VEIN Upper Freeport. Thickness 5½ ft. Drift. Machine mine. Daily capacity 500 tons. Analysis on file.

*NOT REPORTED

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WEST VIRGINIA—(Continued)

BOONE COUNTY—County Seat, Madison.

CHESAPEAKE & OHIO RAILWAY.

PEYTONA BLOCK COAL CO., Peytona, operates, mine at Peytona. VEINS Black Band and Cannel. Thickness Black Band 4 ft. and Cannel 3 ft. Drift. Pick and Machine mine. Daily capacity, Cannel 100 tons, Black Band 500 to 600 tons. Trade name "Peytona Black Band and Cannel." W. H. Warner & Co., Cleveland, Ohio, Exclusive Sales Agents.

SPRUCE RIVER COAL CO., THE, Massillon, Ohio, operates Ramage mine at Ramage. VEIN No. 2 Gas, underlaid by Cannel. Thickness, Gas 2½ ft., Cannel 3 to 3½ ft. Drift. Pick mine. Daily capacity, Bituminous 150 tons, Cannel 75 tons. Trade name "Vesta Cannel."

BRAXTON COUNTY—County Seat, Sutton.

COAL & COKE RAILWAY.

DAVIS COLLIERY CO., Elkins, operates mine No. 10 at Bower. VEIN Pittsburgh. Thickness*. Drift. Pick mine. Daily capacity 1200 tons. Trade name "Copen Splint."

Same Company operates mine No. 11 at Copen. VEIN Pittsburgh. Thickness*. Incline. Pick mine. Daily capacity 500 tons. Trade name "Copen Splint."

BROOKE COUNTY—County Seat, Wellsburg.

PITTSBURGH, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY—(PENNA. LINES)

BEECH BOTTOM COAL CO., Wellsburg, operates Beech Bottom mine No. 1 at Short Creek. VEIN Pittsburgh. Thickness 5 ft. 8 in. Drift. Machine and Pick mine. Daily capacity 1000 tons. Analysis on file.

GILCHRIST & SONS COAL CO., A., Wellsburg, operates Gilchrist mine at Lazearville. VEIN Pittsburgh No. 8. Thickness 5 ft. Drift. Machine mine. Daily capacity 500 tons.

LABELLE COAL CO., Wellsburg, operates Lewis mines Nos. 1 and 2 at Wellsburg. VEIN Pittsburgh. Thickness 5 ft. Drift. Machine mine. Daily capacity 500 tons. Trade name "LaBelle."

WABASH, PITTSBURGH TERMINAL RAILWAY.

REX CARBON COAL CO., Pittsburgh, Pa., operates Rex mine No. 1 at Rex. VEIN Pittsburgh. Thickness 5 ft. Drift. Machine mine. Daily capacity 1000 tons. Trade name "Rex." Analysis on file.

***NOT REPORTED**

W. H. WARNER & CO,. Cleveland, O.

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WEST VIRGINIA—(Continued)

CLAY COUNTY—County Seat, Clay.

CHESAPEAKE & OHIO RAILWAY.

CARTER COAL CO., Scotford, operates Carter mine at Scotford. VEIN Coalburg. Thickness 4 ft. 4 in. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

COAL & COKE RAILWAY.

ELK MANOR COAL CO., Cincinnati, Ohio, operates Elk Manor mine at Dorfee. VEINS Winifrede and Queen Shoals. Thickness 4½ ft. Drift. Machine mine. Daily capacity 400 tons. Trade name "Elk Manor Splint." Analysis on file.

ELK RIVER COAL & LUMBER CO., Clay, operates Dundon mine No. 1 at Dundon. VEIN Winifrede. Thickness 3 ft. Drift. Machine mine. Daily capacity 150 tons. Trade name "Dundon Splint." Analysis on file.

QUEEN SHOALS COAL CO., Queen Shoals, operates Queen Shoal & Burnzwell mines at Queen Shoals. VEIN No. 5. Thickness 4 ft. Drifts. Pick mines. Daily capacity 125 tons. Trade name "Burnzwell." Analysis on file.

FAYETTE COUNTY—County Seat, Fayetteville.

CHESAPEAKE & OHIO RAILWAY.

ALASKA COAL & COKE CO., Claremont, operates Alaska mine at Alaska. VEIN Firecreek. Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

BALLINGER COAL CO., Nuttallburg, operates Ballinger mines Nos. 1 and 2 at Winona. VEIN Sewell. Thickness 4 ft. Drift and Incline. Pick mines. Daily capacity 450 tons. Trade name "Orcutts New River Smokeless."

BEECHWOOD COAL & COKE CO., Claremont, operates Beechwood mines Nos. 1 and 2 at Claremont. VEIN Red Ash. Thickness 3½ to 5 ft. Drifts. Pick mines. Daily capacity 1200 tons. Analysis on file.

BEURY BROTHERS COAL & COKE CO., Beury, operates Echo mine at Beury. VEIN Firecreek. Thickness 4 ft. Drift. Pick mine. Daily capacity 300 tons. Analysis on file.

BLUME COAL & COKE CO., Lookout, operates Blume mine at Lookout. VEIN Sewell. Thickness 4 ft. Drift. Pick and Machine mine. Daily capacity 500 tons. Trade name "New River Red Ash." Analysis on file.

BROWN COAL CO., Nuttallburg, operates Brown mine at South Nuttall. VEIN Sewell. Thickness 4 ft. Drift and Incline. Pick and Machine mine. Daily capacity 600 tons. Trade name "New River Red Ash Steam." Analysis on file.

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WEST VIRGINIA—Fayette County—C. & O. Ry.—(Continued)

CARVER BROTHERS CO., THE, Eagle, operates Diamond mine at Eagle. VEIN Kanawha No. 2. Thickness 5 ft. Drift. Machine mine. Daily capacity 500 tons. Trade name "Diamond Gas and Steam."
Same Company operates Edgewater Gas mine at Edgewater. VEIN Kanawha No. 2 or Gas. Thickness 5 ft. 1 in. Drift. Pick and Machine mine. Daily capacity 250 tons. Trade name "Edgewater Gas."
Same Company operates Eagle mine No. 1 at Edgewater. VEIN Eagle. Thickness 4 ft. Drift. Pick and Machine mine. Daily capacity 300 tons. Trade name "Eagle."

COLLINS COLLIERY CO., Macdonald, operates Collins mine at Glen Jean. VEIN Sewell. Thickness 5½ ft. Drift. Pick mine. Daily capacity 1200 tons. Trade name "White Oak."

DEITZ COLLIERY CO., Vanetta, operates Deitz mine at Wyndal. VEINS No. 2 Gas and No. 5 Splint. Thickness 4 to 6 ft. Drift. Pick mine. Daily capacity 400 tons.

DUNGLEN COAL CO., THE, Thurmond, operates Dunglen mine No. 1 at Dunglen. VEIN Sewell. Thickness 5 ft. Drift. Pick and Machine mine. Daily capacity 300 tons. Trade name "Admirality."
Same Company operates Dunglen mine No. 2 at Dunglen. VEIN Firecreek. Thickness 3 ft. 4 in. Drift. Pick mine. Just developing.

DUNN LOOP COAL & COKE CO., Macdonald, operates Dunn Loop mine No. 1 and Klondyke mine at Dunn Loop. VEIN Sewell. Thickness 5 ft. Drifts. Pick mines. Daily capacity 1200 tons. Trade name "White Oak."

ELVERTON COAL & COKE CO., Elverton, operates the Chapman Iron, Coal & Coke Company's mine at Elverton. VEIN Sewell. Thickness 3½ ft. Incline. Pick and Machine mine. Daily capacity 350 tons. Analysis on file.

EPHRAIM CREEK COAL & COKE CO., Thayer, operates Buffalo mine at Thayer. VEIN Firecreek. Thickness 3½ to 4½ ft. Drift. Pick and Machine mine. Daily capacity 1100 tons. Trade name "New River Smokeless." Analysis on file.

EUREKA COLLIERY CO., Macdonald, operates mine No. 13 at Donwood. VEIN No. 2 Gas. Thickness 3½ ft. Incline. Pick and Machine mine. Trade name "White Oak."
Same Company operates mine No. 14 at Donwood. VEIN Splint. Thickness 5½ ft. Incline. Pick and Machine mine. Daily capacity 300 tons. Trade name "White Oak."

EXPORT COAL CO., Macdonald, operates Export mine at Export. VEIN Firecreek. Thickness 3½ to 4 ft. Drift. Pick mine. Daily capacity 200 tons.

FIRE CREEK COAL & COKE CO., Staunton, Va., operates Firecreek mine at Fire Creek. VEIN Fire Creek. Thickness 3 ft. 8 in. Drift. Pick mine. Daily capacity*. Trade name "Miller's Fire Creek." Analysis on file.

FIRE CREEK COLLIERIES CO., West Chester, Pa., operates Kohinoor mine at Pennbrooke. VEIN Firecreek. Thickness 40 in. Drift. Pick and Machine mine. Daily capacity 500 tons. Trade name "Famous Fire Creek."

*** NOT REPORTED**

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WEST VIRGINIA—Fayette County—C. & O. Ry.—(Continued)

FORT DEFIANCE COAL & COKE CO., Gauley Bridge, operates mine at Old Gauley Station. VEIN No. 2 Gas. Thickness 5 ft. Drift and Incline. Pick mine. Daily capacity 300 tons. Analysis on file.

GAMOCA COAL CO., Gamoca, operates mine No. 5 at Gamoca. VEIN No. 5. Thickness 5 to 6 ft. Drift. Pick mine. Daily capacity 700 tons.

GAULEY MOUNTAIN COAL CO., THE, Ansted, operates Gauley Mountain mine at Ansted. VEIN No. 2 Gas or Ansted. Thickness 4 to 5 ft. Drift. Pick and Machine mine. Daily capacity 1000 tons. Trade name "Ansted Steam." Analysis on file.

GLENDALE COLLIERY CO., Lawton, operates Glendale mine at Glendale. VEIN Firecreek. Thickness 4 ft. Drift. Pick mine. Daily capacity 350 tons. Trade name "New River Red Ash." Analysis on file.

GREAT KANAWHA COLLIERY CO., Macdonald, operates Great Kanawha mine at Mt. Carbon. VEIN No. 2 Gas. Thickness 4 ft. Incline. Pick and Machine mine. Daily capacity 300 tons. Trade name "White Oak."

HARVEY COAL & COKE CO., Macdonald, operates Harvey mine at Harvey. VEIN Sewell. Thickness 5 ft. Drift. Pick and Machine mine. Daily capacity 500 tons. Trade name "White Oak."

HEMLOCK HOLLOW COAL & COKE CO., Lawton, operates Hemlock mine at Lawton. VEIN Firecreek. Thickness 4 ft. Drift. Pick mine. Daily capacity 1100 tons. Trade name "New River Smokeless." Analysis on file.

JOHNSON COAL CO., W. R., Smithers, operates Crescent mine at Crescent. VEINS No. 5 Block and No. 1 Eagle. Thickness 6 and 4 ft. respectively. Drift. Machine and Pick mine. Daily capacity 500 tons.

KEENEYS CREEK COLLIERY CO., Winona, operates Smokeless mine at Winona, and Boone mine at Boone. VEIN Nuttall or Sewell. Thickness 3½ to 4 ft. Drifts. Pick and Machine mines. Daily capacity 1050 tons. Trade name "Summit." Analyses on file.

LAURA MINING CO., Glen Jean, operates Laura mine at Red Star. VEIN Sewell. Thickness 5½ ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "New River Smokeless or Admiralty."

LAUREL CREEK COAL CO., Laurel Creek, operates Laurel mine at Laurel Creek. Thickness 4 ft. Drift and Incline. Pick mine. Daily capacity 400 tons.

LOOKOUT COAL & COKE CO., Lookout, operates Lookout mine at Lookout. VEIN Sewell. Thickness 4 ft. Slope. Pick and Machine mine. Daily capacity 200 tons. Analysis on file.

LOW MOOR IRON CO. OF VIRGINIA, THE, Low Moor, Va., operates Kay Moor mine No. 1 at Kay Moor, and No. 2 at South Fayette. VEIN*. Thickness*. Drifts.

LYNCHBURG COLLIERY CO., Vanetta, operates Lynchburg mine at Vanetta. VEIN No. 2 Gas and No. 5 Splint. Thickness 4 to 6 ft. Drift. Pick mine. Daily capacity 500 tons.

* NOT REPORTED

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WEST VIRGINIA—Fayette County—C. & O. Ry.—(Continued)

MACDONALD COLLIERY CO., Macdonald, operates Macdonald mine at Macdonald. VEIN Sewell. Thickness 4½ ft. Drift. Pick and Machine mine. Daily capacity 400 tons. Trade name "White Oak."

MANUFACTURERS' & CONSUMERS' COAL CO., Fayette, operates Newlyn mine at Fayette. VEIN Sewell. Thickness 3 ft. Drift. Pick mine. Daily capacity 350 tons. Analysis on file.

MARRS BRANCH COAL CO., Fayette, operates Whitney mine at Whitney. VEIN Sewell. Thickness 4 ft. Drift. Pick mine. Daily capacity 100 tons.

M-B. COAL & COKE CO., Kimberley, operates Columbia mine at Columbia, and Kimberley mine at Kimberley. VEIN No. 2 Gas. Thickness 4½ to 5 ft. Drifts. Machine mines. Daily capacity 750 tons. Analysis on file.
Same Company operates Columbia mine No. 5 at Columbia. VEIN No. 5 Block (Splint). Thickness 6 ft. Drift. Machine mine. Daily capacity 250 tons. Analysis on file.
Same Company operates Elk Ridge mines Nos. 1 and 2 at Elk Ridge. VEIN Powellton. Thickness 6 ft. Drifts. Machine mines. Daily capacity 500 tons. Analysis on file.

MEADOW FORK COAL CO., Newlyn, operates Meadow Fork mine at Newlyn. VEIN Sewell. Thickness 5½ ft. Drift and Incline. Pick mine. Daily capacity 300 tons. Analysis on file.

MECCA COAL & COKE CO., Montgomery, operates Mecca Gas mine at Mecca. VEIN Mecca Gas. Thickness 5 ft. 2 in. Drift. Pick and Machine mine. Daily capacity 400 tons. Trade name "Mecca."
Same Company operates Mecca mine No. 5 at Mecca. VEIN No. 5 Splint. Thickness 6 to 7 ft. Drift. Pick and Machine mine. Daily capacity 400 tons. Trade name "Mecca Lump."

MICHIGAN COAL CO., Fayette, operates Michigan mine at Fayette. VEIN Sewell. Thickness 3 ft. Drift. Pick and Machine mine. Daily capacity 250 tons.

MILBURN COAL & COKE CO., Pittsburgh, Pa., operates Milburn mine No. 1 at Keefer. VEIN Eagle. Thickness 7 ft. Incline. Machine mine. Daily capacity 2000 tons. Analysis on file.

MOSELEY & WALKER, Cliff Top, operate mine at Cliff Top. VEIN Sewell. Thickness 3 ft. 2 in. Drift. Pick and Machine mine. Daily capacity 300 tons.

MOUNT CARBON CO., Ltd., THE, Powellton, operates Vulcan mine at Powellton. VEIN Powellton. Thickness 6 ft. Drift. Pick and Machine mine. Daily capacity 700 tons. Trade name "Powellton." Analysis on file.

MT. HOPE COAL & COKE CO., Mt. Hope, operates Baby mine at Mt. Hope. VEIN Sewell. Thickness 6 ft. Drift. Pick mine. Daily capacity 150 tons.

McKELL COAL & COKE CO., Glen Jean, operates Derryhale mine at Derryhale. VEIN Sewell. Thickness 5½ ft. Drift. Pick and Machine mine. Daily capacity 700 tons. Trade name "New River Smokeless."
Same Company operates Kilsyth mine at Kilsyth. VEIN Sewell. Thickness 5½ ft. Drift. Pick mine. Daily capacity 2000 tons. Trade name "New River Smokeless" or "Admiralty."

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WEST VIRGINIA—Fayette County—C. & O. Ry.—(Continued)

NEWLYN COAL CO., Newlyn, operates Thomas mine at Newlyn. VEIN Firecreek. Thickness 3 to 4 ft. Drift. Pick mine. Daily capacity 250 tons. Analysis on file.

NEW RIVER VALLEY COAL CO., Fayette, operates Bachman mine at Hawk's Nest. VEIN Sewell. Thickness 4 ft. Drift. Pick mine. Daily capacity 100 tons.

NICHOL COLLIERY CO., Glen Jean, operates Nichol mine at Glen Jean. VEIN Sewell. Thickness 5 ft. Slope. Pick and Machine mine. Daily capacity 700 tons.

NUTTALLBURG COLLIERIES CO., Nuttallburg, operates Nuttall and Keeney's Creek mines at Nuttallburg. VEIN Sewell. Thickness 4 ft. Drifts. Pick and Machine mines. Daily capacity 650 tons. Analysis on file.

PAINT CREEK COLLIERIES CO., Mucklow, operates Hickory Camp mine at Nahan. VEIN Eagle. Thickness 6 ft. Drift and Incline. Machine mine. Daily capacity 500 tons.

PRUDENCE COAL CO., Macdonald, operates Prudence mine at Prudence. VEIN Sewell. Thickness 5 ft. Drift. Pick and Machine mine. Daily capacity 900 tons. Trade name "White Oak."

QUINNIMONT COAL CO., Quinnimont, operates mine at Lawton. VEIN New River. Thickness 4 ft. Drift. Pick mine. Daily capacity 450 tons. Trade name "New River-Red Ash." Analysis on file.

ROTHWELL COAL CO., Dubree, operates Dubree mine at Dubree. VEIN Sewell or Nuttall. Thickness 3 ft. 8 in. Drift. Machine mine. Daily capacity 350 tons.

SOUTH SIDE CO., Caperton, operates South Side mine at Caperton. VEIN Sewell. Thickness 4 ft. Drift. Pick and Machine mine. Daily capacity 550 tons. Trade name "New River." Analysis on file.

STAR COAL & COKE CO., THE, Red Star, operates Star mine at Red Star. VEIN Sewell. Thickness 5 ft. Drift. Pick and Machine mine. Daily capacity 900 tons. Trade name "New River Red Ash Smokeless." Analysis on file.

SUGAR CREEK COAL & COKE CO., Macdonald, operates Sugar Creek mine at Macdonald. VEIN Sewell. Thickness 4½ ft. Drift. Pick and Machine mine. Daily capacity 700 tons. Trade name "White Oak."

THURMOND COAL CO., THE, Staunton, Va., operates Conch mine No. 1 at Concho. VEIN Sewell. Thickness*. Drift. Pick and Machine mine. Daily capacity 500 tons. Analysis on file.

Same Company operates Erskine mine No. 2 at Erskine. VEIN Firecreek. Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

*NOT REPORTED

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WEST VIRGINIA—Fayette County—C. & O. Ry.—(Continued)

WHITE OAK FUEL CO., Macdonald, operates Wingrove mine at Wingrove; Oakwood mine at Oakwood; Carlisle mine at Carlisle; Scarbro mine at Scarbro and Whipple mine at Whipple. VEIN Sewell. Thickness 4½ to 6 ft. Shafts. Machine and Pick mines. Daily capacity 3100 tons. Trade name "White Oak."

KANAWHA & MICHIGAN RAILWAY.

BOOMER COAL & COKE CO., Cleveland, Ohio, operates mines Nos. 1, 2 North, 2 South and 3 at Boomer. VEINS Kanawha Gas Nos. 1 and 2. Thickness 5½ ft. Drifts. Machine and Pick mines. Daily capacity 4500 tons. Analysis on file. Trade name "Boomer."

COLUMBUS IRON & STEEL CO., THE, Columbus, Ohio, operates mine at Marting. VEIN No. 2 Gas. Thickness 70 in. Drift. Machine mine. Daily capacity 1000 tons. Trade name "Olive Smithers Creek." Analysis on file.

JOHNSON COAL CO., W. R., Smithers, operates Oakland mine at Smithers. VEIN No. 2 Gas. Thickness 5 ft. 4 in. Drift. Machine and Pick mine. Daily capacity 800 tons. Trade name "Johnson's 'Hand Picked' Splint" and "Smithers Creek Gas."

Same Company operates Kanawha Gas mine at Smithers. VEINS No. 2 Gas and No. 1 Eagle. Thickness 5½ ft. and 4 ft. 2 in. respectively. Drift. Machine and Pick mine. Daily capacity 700 tons. Trade name "Johnson's 'Hand Picked' Splint" and "Smithers Creek Gas."

SUNDAY CREEK CO., Columbus, Ohio, operates mines Nos. 111 and 112 at Carbondale, No. 114 at Longacre, and No. 115 at Harewood. VEIN No. 2 Gas. Thickness No. 112, 5 ft. balance 5½ ft. Inclines. Machine mines. Daily capacity 5400 tons.

VIRGINIAN RAILWAY.

HERBERT COLLIERIES, New York, N. Y., operates Herbert Collieries at Herberton. VEIN Eagle. Thickness 4½ ft. Drift. Pick and Machine mine. Daily capacity 800 tons. Trade name "Herbert." Analysis on file.

LOUP CREEK COLLIERY CO., Page, operates mine at Page. VEINS No. 2 Gas and Eagle. Thickness 9 ft. 7 in. and 6 ft. 8 in. respectively. Drifts and Incline. Pick mines. Daily capacity 2500 tons. Trade name "Page." Analysis on file.

WHITE OAK RAILWAY.

STUART COLLIERY CO., Macdonald, operates Stuart mine at Stuart. VEIN Sewell. Thickness 4½ ft. Shaft. Machine and Pick mine. Daily capacity 300 tons. Trade name "White Oak."

Same Company operates Parral mine at Parral. VEIN Sewell. Thickness 4 ft. Machine and Pick mine. Daily capacity 350 tons. Trade name "White Oak."

Same Company operates Beech Creek mine at Beech Creek. VEIN Kanawha. Thickness 3½ ft. Incline. Pick mine. Daily capacity 150 tons. Trade name "White Oak."

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WEST VIRGINIA—(Continued)

GILMER COUNTY—County Seat, Glenville.

COAL & COKE RAILWAY.

GILMER FUEL CO., Fairmont, operates Gilmer mine at Gilmer. VEIN Pittsburg. Thickness 8 ft. Drift. Pick and Machine mine. Daily capacity 500 tons. Trade name "CC." Analysis on file.

GRANT COUNTY—County Seat, Petersburg.

WESTERN MARYLAND RAILROAD.

BUFFALO CREEK CUMBERLAND COAL CO., Philadelphia, Pa., operates Buffalo Creek mine at Bayard. VEIN Davis. Thickness*. Drift. Pick mine. Daily capacity 700 tons. Trade name "Buffalo Creek."

COTTAGE STREET COAL CO., Bayard, operates Cottage Street mine at Bayard. VEIN Upper Freeport. Thickness 5 ft. Drift. Pick mine. Daily capacity 50 tons.

DAVIS COAL & COKE CO., Baltimore, Md., operates Henry mine No. 22 at Henry. VEIN Upper Freeport. Thickness 5 ft. Shaft. Machine mine. Daily capacity 700 tons. Trade name "Henry."

GATZMER COAL & COKE CO., Philadelphia, Pa., operates mine at Dobbin. VEIN Lower Kittanning. Thickness 8 ft. Drift. Pick mine. Daily capacity 50 tons.

HANCOCK COUNTY—County Seat, New Cumberland.

PITTSBURG, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY—(PENNA. LINES)

MARQUET COAL CO., Cleveland, Ohio, operates Cumberland Block mine at New Cumberland. VEIN Mahoning. Thickness 3½ ft. Drift. Machine mine. Daily capacity 500 tons. Trade name "Cumberland Block."

HARRISON COUNTY—County Seat, Clarksburg.

BALTIMORE & OHIO RAILROAD.

BLUE RIDGE COAL CO., Clarksburg, operates Thompson mine at Lumberport. VEIN Pittsburg. Thickness 9 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Blue Ridge." Analysis on file.

BYRON DOMESTIC COAL CO., Fairmont, operates Byron mine at Byron. VEIN Pittsburg. Thickness 8 ft. Drift. Pick and Machine mine. Daily capacity 300 tons. Trade name "Byron." Analysis on file.

CENTRAL FAIRMONT COAL CO., Clarksburg, operates Snake Hill mine at Clarksburg. VEIN Fairmont No. 8. Thickness 9 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Snake Hill." Analysis on file.

*NOT REPORTED

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WEST VIRGINIA—Harrison County—B. & O. R. R.—(Continued)

CLARKSBURG GAS COAL CO., Uniontown, Pa., operates McWhorter mine at McWhorter. VEINS Redstone and Pittsburg. Thickness 7 ft. and 5½ ft. respectively. Drifts and Incline. Machine mines. Daily capacity 250 tons.

CONSOLIDATION COAL CO., THE, Baltimore, Md., operates Perry and Coaling Station mines at Adamston; Lynch, Two Lick and West Fork mines at Lewis; Pooz and Lucas mines at Haywood; Pinnickinnick, Despard, Columbia and Dixie mines at Clarksburg; Solon, Robinson Run, Ehlen and Riverdale mines at Shinnston; Fall Run and Dunham mines at Glen Falls; O'Neil mine at Wilsonburg; Ocean mine at Ocean Mine; Gypsy mine at Gypsy; Meadow Brook mine at Meadow Brook; Globe mine at Farnum; Enterprise mine at Enterprise; Viropa mine at Viropa and Interstate mine at Interstate. VEIN Pittsburgh. Thickness 7 ft. Slopes. Machine mines.

COOK COAL & COKE CO., Philadelphia, Pa., operates Girard mine No. 1 at Meadow Brook. VEIN*. Thickness 8 ft. Drift. Machine mine. Daily capacity 600 tons. Trade name "Girard."

COOK & HART COAL CO., Fairmont, operates Cook mine at Mt. Clare. VEIN Pittsburg. Thickness 8 ft. Drift. Pick mine. Daily capacity 300 tons. Analysis on file.

CORONA COAL & COKE CO., Pittsburg, Pa., operates Harold mine at Clarksburg. VEIN Pittsburg. Thickness 8 ft. Drift. Pick and Machine mine. Daily capacity 600 tons. Analysis on file.

FAIRMONT & BALTIMORE COAL & COKE CO., Baltimore, Md., operates Fairmore mine at Adamston. VEIN Pittsburg. Thickness 9 ft. Drift. Pick mine. Daily capacity 800 tons. Trade name "Fairmore."

FAYETTE COAL CO., Uniontown, Pa., operates Fayette mine at Dola. VEIN Pittsburg. Thickness 6½ ft. Drift. Pick and Machine mine. Daily capacity 300 tons. Analysis on file.

GUNTON COAL CO., W. B., Towanda, Pa., operates Phoenix mine at Reynoldsville. VEIN Pittsburg. Thickness 7 ft. Slope. Machine mine. Daily capacity 500 tons. Trade name "Fairmont Steam." Analysis on file.

HARRISON COUNTY COAL CO., Pittsburg, Pa., operates Overholt mine at Hepzibah. VEIN Pittsburg. Thickness 9 ft. Drift. Machine mine. Daily capacity 350 tons.

HAYWOOD COAL MINING CO., Pittsburg, Pa., operates Monroe mine at Shue. VEIN Pittsburg. Thickness 9 ft. Drift. Pick mine. Daily capacity 500 tons. Analysis on file.

HERO COAL & COKE CO. Lumberport, operates Hero mine at Lumberport. VEIN Pittsburg. Thickness 9 ft. Drift. Pick mine. Daily capacity 600 tons. Analysis on file.

HUTCHINSON COAL CO., Fairmont, operates Erie mine at Erie Mine. VEIN Pittsburg. Thickness 8 ft. Slope. Machine mine. Daily capacity 1400 tons. Trade name "Hutchinson." Analysis on file.

Same Company operates Hutchinson mines Nos. 1 and 2 at Byron. VEIN Pittsburg. Thickness 8 ft. Drifts. Machine mines. Daily capacity 1500 tons. Trade name "Hutchinson." Analysis on file.

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WEST VIRGINIA—(Continued)

UPSHUR COUNTY—County Seat, Buckhannon.

BALTIMORE & OHIO RAILROAD.

NEWCOMER COAL CO., Scottdale, Pa., operates Newcomer mine at Teter. VEIN Pittsburgh. Thickness 6 to 7 ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

RED ROCK FUEL CO., Red Rock, operates Red Rock mine at Red Rock. VEIN Red Stone. Thickness 5 ft. Drift. Machine and Pick mine. Daily capacity 400 tons. Analysis on file.

COAL & COKE RAILWAY.

BUCKHANNON RIVER COAL CO., Uniontown, Pa., operates Adrian mine at Adrian. VEIN Barton or Masontown. Thickness 6 ft. Drift. Pick mine. Daily capacity 250 tons. Analysis on file.

WAYNE COUNTY—County Seat, Wayne.

NORFOLK & WESTERN RAILWAY.

EAST LYNN COAL CO., East Lynn, operates East Lynn mine at East Lynn. VEIN East Lynn. Thickness 62 in. Drift. Pick mine. Daily capacity 250 tons. Analysis on file.

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Carbon, Kanawha Co., W. Va.

WEST VIRGINIA—(Continued)

KANAWHA COUNTY—County Seat, Charleston.

CHESAPEAKE & OHIO RAILWAY.

BELMONT COAL CO., Cincinnati, O., operates Belmont mine at Crown Hill. VEIN Belmont Splint. Thickness 3 ft. Drift. Pick and Machine mine. Daily capacity 600 tons. Trade name "Belmont." Analysis on file.

Same Company operates Belmont mine at Crown Hill. VEIN Belmont Gas. Thickness 2 ft. Drift. Pick and Machine mine. Daily capacity 200 tons. Trade name "Belmont Gas." Analysis on file.

CABIN CREEK CONSOLIDATED COAL CO., Kayford, operates Acme mine at Acme; Davis mine at Ohley; United mine No. 2 at Wevaco; Ruby mine at Decota; and Raccon mine No. 2 and Rose mine at Kayford. VEIN Freeport. Thickness 5 to 6 ft. Inclines. Machine mines. Daily capacity 2250 tons. Trade name "Acme."

Same Company operates Quarrier mine at Wake Forest; United mine No. 1 at Wevaco; Belleclaire mine at Decota; Keystone, Empire, Buckeye and Black Tulip mines at Acme; Kayford mines Nos. 1 and 2, Raccoon mine No. 1, and Thistle and Shamrock mines at Kayford; Cherokee and Holly mines at Leewood, and Red Warrior and Caledonia mines at Warrior. VEIN Lower Kittanning. Thickness 4½ to 6 ft. Drifts and Inclines. Machine mines. Daily capacity 7850 tons. Trade name "Kanawha Gas."

CARBON COAL CO., Carbon, operates North mine at Nabob. VEIN No. 2 Thickness 5 to 7 ft. Incline. Machine mine. Daily capacity 500 tons.

Same Company operates South mine at Carbon. VEIN No. 2. Thickness 4 to 5½ ft. Incline. Machine mine. Daily capacity 600 tons.

Same Company operates Splint mine at Carbon. VEIN Coalburg No. 5. Thicknes 6 to 7 ft. Incline. Machine mine. Daily capacity 1000 tons.

CHESAPEAKE MINING CO., Handley, operates Chesapeake mines Nos. 1 and 2 at Handley. VEINS Kanawha and Coalburg, respectively. Thickness 5 ft. Drifts. Pick and Machine mines. Daily capacity 750 tons. Trade name "Chesapeake." Analysis on file.

COALBURG COLLIERY CO., Ronda, operates Ronda mine at Ronda. VEIN Coalburg. Thickness 5 to 6 ft. Drift. Pick and Machine mine. Daily capacity 1000 tons.

COALBURGH-KANAWHA COAL CO., THE, Coalburgh, operates mines "A" and "B" at Coalburgh. VEINS Coalburgh and Bellmont. Thickness 6 ft. and 4 ft. respectively. Inclines. Machine mines. Daily capacity 400 tons. Trade name "Edwards Coalburgh Splint." Analysis on file.

DRY BRANCH COAL CO., Dry Branch, operates Dry Branch mine at Dry Branch. VEINS Lewiston and Coalburg. Thickness 4 and 7 ft. respectively. Drift. Machine mine. Daily capacity 400 tons.

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WEST VIRGINIA—Kanawha County—C. & O. Ry.—(Continued)

EQUITABLE COAL CO., Columbus, Ohio, operates mine at Crown Hill. VEIN Kanawha. Thickness 5½ ft. Incline. Machine mine. Daily capacity 600 tons. Trade name "Crown Hill Splint." Analysis on file.

IMPERIAL COLLIERY CO., Burnwell, operates Imperial mine No. 1 at Burnwell. VEIN Eagle. Thickness 6 ft. Drift. Machine mine. Daily capacity 600 tons. Trade name "Imperial Steam." Analysis on file.

Same Company operates Imperial mine No. 2 at Burnwell. VEIN Eagle. Thickness 4 ft. Drift. Machine mine. Daily capacity 400 tons. Trade name "Imperial Steam." Analysis on file.

Same Company operates Imperial mine No. 3 at Burnwell. VEIN Eagle. Thickness 4½ ft. Drift. Machine mine. Daily capacity 800 tons. Trade name "Imperial Steam." Analysis on file.

MORRIS CREEK COLLIERY CO., Standard, operates mine No. 5 at Donwood. VEIN No. 5. Thickness 5 ft. Drift. Machine mine. Daily capacity 400 tons.

Same Company operates Morris Creek mine at Donwood. VEIN Winifrede. Thickness 4½ ft. Drift. Machine mine. Daily capacity 350 tons.

PAINT CREEK COLLIERIES CO., Mucklow, operates Paint Creek and Scranton mines at Mucklow, Banner mine No. 1 at Banner and Wacomah mine at Wacomah. VEIN Coalburg. Thickness 7 to 8 ft. Drifts and Inclines. Machine mines. Daily capacity 2900 tons.

Same Company operates Green Briar mine No. 2 at Green Castle, and Nockolls mine at Nockolls. VEIN No. 2 Gas. Thickness 5 ft. Drifts and Inclines. Pick mines. Daily capacity 950 tons.

Same Company operates Green Briar mine No. 3 at Green Castle. VEIN Winifrede. Thickness 7 ft. Drift and Incline. Machine mine. Daily capacity 300 tons.

Same Company operates Grose mine No. 1 at Twinsburg and Morton mine at Morton. VEIN Eagle. Thickness 4 ft. Drifts and Inclines. Machine mines. Daily capacity 400 tons.

Same Company operates Grose mine No. 2 at Twinsburg and Detroit mine at Detroit. VEIN Powellton. Thickness 7 and 5 ft. respectively. Drifts and Inclines. Machine mines. Daily capacity 700 tons.

Same Company operates Banner mine No. 2 at Banner. VEIN Crown Hill. Thickness 5 ft. Drift and Incline. Machine mine. Daily capacity 200 tons.

PEERLESS COAL CO., Lewiston, operates Peerless mine at Lewiston. VEIN Peerless. Thickness 31 inches. Drift. Pick mine. Daily capacity 100 tons. Trade name "Peerless."

PERSINGER COAL CO., THE, Goshen, Va., operates Wilton mine at Miami. VEIN Cedar Grove. Thickness 3½ ft. Drift. Machine mine. Daily capacity 100 tons.

REPUBLIC COAL CO., Carbon, operates mines Nos. 1 and 2 and Republic mine No. 3 at Republic. VEIN Cabin Creek Gas. Thickness 4 to 6½ ft. Drifts and Incline. Machine mines. Daily capacity 1350 tons. Trade name "Carbon No. 2 Gas." Analysis on file.

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WEST VIRGINIA—Kanawha County—C. & O. Ry.—(Continued)

STANDARD SPLINT & GAS COAL CO., Standard, operates Standard mine at Standard. VEIN Coalburg. Thickness 7½ ft. Drift. Machine mine. Daily capacity 800 tons.

WAKE FOREST MINING CO., Wake Forest, operates Wake Forest mine at Wake Forest. VEIN No. 2 Kanawha. Thickness 5 ft. Drift. Machine mine. Daily capacity 500 tons. Trade name "Wake Forest." Analysis on file.

WEST VIRGINIA COLLIERY CO., Carbon, operates mines Nos. 1 and 3 at Wevaco. VEINS Cabin Creek Gas and Carbon Splint, respectively. Thickness 6 to 7 ft. Inclines. Machine mines. Daily capacity 1800 tons. Trade name "Carbon No. 2 Gas" and "Carbon Splint." Analysis on file.

Same Company operates mines Nos. 2 and 4 at Wevaco. VEIN Cabin Creek Gas. Thickness 5 to 6½ ft. Drifts. Machine mines. Daily capacity 1200 tons. Trade name "Carbon No. 2 Gas." Analysis on file.

WINIFREDE COAL CO., Cincinnati, Ohio, operates Winifrede mine at Winifrede. VEIN Winifrede. Thickness 5 ft. Drift. Machine and Pick mine. Daily capacity 1800 tons. Trade name "Winifrede." Analysis on file.

WYATT COAL CO., Sharon, operates Berlin mine at Wake Forest. VEIN No. 2 Gas. Thickness 6½ ft. Drift and Incline. Machine and Pick mine. Daily capacity 600 tons.

Same Company operates Horton North and Horton South mines at Sharon. VEIN Coalburg. Thickness 6 ft. Drifts and Inclines. Machine mines. Daily capacity 500 tons.

Same Company operates Oakley mine at Eventon. VEIN Lewiston. Thickness 4 ft. Drift and Incline. Machine mine. Daily capacity 450 tons.

COAL & COKE RAILWAY.

CLAY COAL CO., THE, Toledo, O., operates Bradley White Ash mine at Barren Creek. VEIN No. 5. Thickness 4½ to 5 ft. Drift. Pick mine. Daily capacity 400 tons. Trade name "Bradley White Ash." Analysis on file.

KANAWHA COLLIERIES CO., THE, Graham Mine, operates mine No. 1 at Mason. VEIN No. 5. Thickness 6 ft. Drift. Pick mine. Daily capacity 200 tons.

PEN-MAR MINING CO., Big Chimney, operates Pen-Mar mine at Pen-Mar. VEIN Six Foot. Thickness 4½ ft. Drift. Pick mine. Daily capacity 75 tons. Trade name "Pen-Mar."

QUEEN COAL & COKE CO., Heatherman, operates Turner "Right Hand" and Turner "Left Hand" mines at Turner. VEIN No. 5 or Queen Shoals. Thickness 4 ft. Drifts. Machine mines. Daily capacity 150 tons. Trade name "Queen Shoals." Analysis on file.

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WEST VIRGINIA—Kanawha County—(Continued)

KANAWHA & MICHIGAN RAILWAY.

ACME STEAM COAL CO., Scranton, Pa., operates Acme mine No. 1 at Quick. (Also K. & W. Va. R. R.) VEIN No. 5 Block. Thickness 5½ ft. to 6½ ft. Drift and Incline. Machine mine. Daily capacity 350 tons. Analysis on file.

BLACK HAWK COAL CO., Charleston, operates mine at Black Hawk. VEIN Coalburg. Thickness 5 to 6 ft. Drift. Pick and Machine mine. Daily capacity 300 tons. Analysis on file.

CANNELTON COAL CO., Cannelton, operates Cannelton No. 2 Gas mine at Smither's Creek. VEIN Kanawha Gas. Thickness 7 ft. 2 in. Drift. Pick and Machine mine. Daily capacity 1200 tons. Trade name "Cannelton." Analysis on file.

HUGHES CREEK COAL CO., Hugheston, operates Hugheston mine at Hugheston. VEIN Coalburg. Thickness 5 ft. Drift and Incline. Pick and Machine mine. Daily capacity 800 tons. Trade name "Hughes Creek Splint." Analysis on file.

KELLEYS CREEK COLLIERY CO., Ward, operates mines Nos. 1 and 3 at Ward. VEIN Coalburg. Thickness 6 ft. Inclines. Machine mines. Daily capacity 1700 tons. Trade name "Cast Iron Splint." Analysis on file.
Same Company operates mine No. 2 at Ward. VEIN Cedar Grove. Thickness 3½ ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Cast Iron Splint." Analysis on file.

QUINCY COAL CO., Inc., Quincy, operates Quincy mine No. 1 at Quincy. VEIN Coalburg. Thickness 4½ ft. Drift. Pick and Machine mine. Daily capacity 50 tons. Trade name "Quincy Splint."
Same Company operates Quincy mine No. 2 at Quincy. VEIN Kanawha No. 5. Thickness 5½ ft. Drift. Machine mine. Daily capacity 300 tons. Trade name "Quincy Splint."

RODERICK COAL CO., Scranton, Pa., operates Roderick mine at Quick. Vein Coalburg. Thickness 6½ ft.
Same Company operates Roderick mine at Quick. (Also K. & W. Va. R. R.) VEIN No. 5 Block. Thickness 4 ft. 8 in. to 6½ ft. Drift and Incline. Machine mine. Daily capacity 800 tons. Analysis on file.

SUNDAY CREEK CO., Columbus, Ohio, operates mine No. 101 at Shrewsbury. VEIN No. 5. Thickness 6½ ft. Incline. Machine mine. Daily capacity 750 tons.
Same Company operates mines No. 104 at Cedar Grove, and No. 105 at Mammoth. VEIN Coalburg. Thickness 6½ ft. Inclines. Machine mines. Daily capacity 2250 tons.
Same Company operates mine No. 108 at Mammoth. VEIN Coalburg Thickness 6 ft. Incline. Machine mine. Daily capacity 600 tons.
Same Company operates mine No. 109 at Mammoth. VEIN No. 5. Thickness 7 ft. Incline. Machine mine. Daily capacity 500 tons.

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Dealers in
Fuse, Caps and Blasting Supplies

CLEVELAND OHIO

WEST VIRGINIA—Kanawha County—(Continued)

KANAWHA CENTRAL RAILWAY.

OLCOTT COAL & IRON CO., THE, Olcott, operates mines Nos. 1 and 2 at Olcott. VEIN Black Band. Thickness 40 and 48 inches, respectively. Drifts. Machine mines. Daily capacity 850 tons. Trade name "Black Band." Analysis on file.

KENTUCKY & WEST VIRGINIA RAILWAY.

ACME STEAM COAL CO., Scranton, Pa., operates Acme mine No. 1 at Quick. (See K. & M. Ry.)

BLUE CREEK COAL & LAND CO., Charleston, operates Blakeley mine at Blakeley. VEIN No. 5. Thickness 5 ft. 8 in. Drift and Incline. Machine mine. Daily capacity 500 tons. Analysis on file.
Same Company operates Wills Hollow mines Nos. 1 and 2 at Blakeley. VEIN No. 5. Thickness 4 ft. 8 in. Drift and Incline. Machine mines. Daily capacity 600 tons. Analysis on file.

RODERICK COAL CO., Scranton, Pa., operates Roderick mine at Quick. (See K. & M. Ry.)

LEWIS COUNTY—County Seat, Weston.

COAL & COKE RAILWAY.

JACKSONVILLE COAL & COKE CO., Dawson, Pa., operates Sarah B. mine No. 3 at Jacksonville. VEIN Pittsburg. Thickness 5 ft. 3 in. Drift. Machine mine. Daily capacity 200 tons. Trade name "Semi-Splint." Analysis on file.

LINCOLN COUNTY—County Seat, Hamilton.

CHESAPEAKE & OHIO RAILWAY.

BRANCHLAND COAL CO., Branchland, operates Branchland mine at Branchland. VEIN Winifrede. Thickness 7 ft. Drift. Machine mine. Daily capacity 500 tons. Analysis on file.

GUYAN RIVER COAL CO., Branchland, operates Guyan mine at Brown City. VEIN Winifrede. Thickness 4½ ft. Drift. Machine mine. Analysis on file. (Just developing.)

LOGAN COUNTY—County Seat, Logan.

CHESAPEAKE & OHIO RAILWAY.

CORA COAL & COKE CO., Cora, operates Cora mine at Cora. VEIN Island Creek. Thickness 6 ft. Drift. Machine mine. Daily capacity 1000 tons. Trade name "Logan." Analysis on file.

DRAPER COAL & COKE CO., Detroit, Mich., operates Draper mine at Logan. VEIN Draper. Thickness 4½ to 5 ft. Drift. Machine mine. Daily capacity 500 tons. Trade name "Lomingo."

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LOGAN, W. VA.

WEST VIRGINIA—Logan County—C. & O. Ry.—(Continued)

FORT BRANCH COAL CORPORATION, Richmond, Va., operates Fort Branch mine at Fort Branch. VEINS Winifrede and No. 2 Gas. Thickness 7 ft. 4 in. and 6 ft. respectively. Incline. Machine mine. Daily capacity 400 tons. Anlaysis on file.

GAY COAL & COKE CO., THE, Logan, operates mine at Logan. VEIN No. 2 Gas. Thickness 5½ ft. Drift. Machine mine. Daily capacity 700 tons.

GUYANDOTTE COAL CO., Branchland, operates Guyandotte mine at Kitchen. VEIN Stockton. Thickness 4½ ft. Drift. Machine mine. Daily capacity 500 tons. Analysis on file.

JOHNSON COAL MINING CO., E. R., Detroit, Mich., operates Johnson mine at Hughey. VEIN Draper. Thickness 4½ to 5 ft. Drift. Machine mine. Daily capacity 300 tons. Trade name "Lomingo."

LOGAN COAL CO., Ethel, operates Logan mine at Ethel. VEIN Winifrede. Thickness 5½ ft. Drift. Machine mine. Daily capacity 700 tons. Analysis on file.

MONITOR COAL & COKE CO., THE, Logan, operates Monitor and Beechwood mines at Logan. VEIN Island Creek. Thickness 7 ft. Machine mines. Daily capacity 1500 tons. Trade name "Main Island Creek.'

PRICE COAL CO., Ethel, operates Price mine at Wanda. VEIN Winifrede. Thickness 5 ft. Drift. Machine mine. Daily capacity 600 tons. Trade name "Wanda White Ash." Analysis on file.

REX COAL & COKE CO., Ethel, operates Rex mine at Ethel. VEIN Kanawha No. 2 Gas. Thickness 5 ft. 4 in. Drift. Machine mine. Daily capacity 400 tons. Analysis on file.

STONE BRANCH COAL CO., Stone Branch, operates Stone Branch mine at Stone Branch. VEIN Stone Branch. Thickness 4 ft. 4 in. Drift. Machine mine. Daily capacity 350 tons. Analysis on file.

UNITED STATES COAL & OIL CO., Holden, operates Island Creek mines Nos. 1, 2, 3, 4, 5 and 6 at Holden. VEIN Island Creek. Thickness 7 ft. Drifts. Machine mines. Daily capacity 9700 tons. Trade name "Island Creek."

WILSON, H. T., COAL CO., Detroit, Mich., operates Wilson mine at Logan. VEIN Draper. Thickness 4½ to 5 ft. Drift. Machine mine. Daily capacity 1000 tons. Trade name "Lomingo."

YUMA COAL & COKE CO., Logan, operates Yuma mine at Logan. VEIN Island Creek. Thickness 6½ ft. Drift. Machine mine. Daily capacity 700 tons. Trade name "Main Island Creek." Analysis on file.

MARION COUNTY—County Seat, Fairmont.

BALTIMORE & OHIO RAILROAD.

CATAWBA COAL CO., Connellsville, Pa., operates Catawba mines at Catawba. VEIN Pittsburg. Thickness 9 ft. Drift and Incline. Pick mine. Daily capacity 200 tons.

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WEST VIRGINIA—Marion County—B. & O. R. R.—(Continued)

CONSOLIDATION COAL CO., THE, Baltimore, Md., operates Murray Mine at Scottdale; Montana mine at Montana Mines; Shaft mine at Barnesville; New England and Gaston mines at Watson; Shaver and Monongah mines Nos. 2, 3, 6, and 8 at Monongah; Pennois and Anderson mines at Everson; Highland and Middleton mines at Middleton; Chiefton mine at Chiefton and Hutchinson mine at Hutchinson. VEIN Pittsburgh. Thickness 7 ft. Slopes. Machine mines.

DAKOTA COAL & COKE CO., Pittsburg, Pa., operates Dakota mine at Fairmont. VEINS Sewickly and Pittsburg. Thickness 5 and 9 ft. respectively. Shaft. Pick mine. Daily capacity 25 tons. Analysis on file.

FEDERAL COAL & COKE CO., Boston, Mass., operates Federal mine No. 1 at Grant Town. VEIN Pittsburg. Thickness 8 ft. Shaft. Machine mine. Daily capacity 2400 tons. Trade name "Federal Gas."

HARRY B. COAL CO., Fairmont, operates Harry mine at Everson. VEIN Pittsburg. Thickness 6½ to 7 ft. Drift. Pick mine. Daily capacity 250 tons.

KILARM COAL & COKE CO., Monongah, operates Kilarm mine No. 1 at Kilarm. VEIN Pittsburg. Thickness 8 ft. Drift. Machine mine. Daily capacity 300 tons.
Same Company operates Kilarm mine No. 2 at Kilarm. VEIN Pittsburg. Thickness 8 ft. Drift. Pick mine. Daily capacity 200 tons.

NEW CENTRAL COAL CO., New York, N. Y., operates Stafford mine at Baxter. VEIN Pittsburg. Thickness 8½ ft. Shaft. Machine mine. Daily capacity 3000 tons. Trade name "Stafford." Analysis on file.

PITTSBURG STEAM COAL CO., Fairmont, operates Elizabeth mine at Montana. VEIN Pittsburg. Thickness 8 ft. Drift. Pick mine. Daily capacity 300 tons.

VIRGINIA & PITTSBURG COAL & COKE CO., THE, Fairmont, operates Kingmont mine at Kingmont. VEIN Pittsburg. Thickness*. Drift. Pick mine. Daily capacity 1400 tons. Trade name "Lincoln."

MONONGAHELA RIVER.

PARKER RUN COAL & COKE CO., Fairmont, operates Parker Run mine at Rivesville. VEIN Sewickley. Thickness 6½ ft. Drift. Machine mine. Daily capacity 500 tons. Analysis on file.

MARSHALL COUNTY—County Seat, Moundsville.
BALTIMORE & OHIO RAILROAD.

GLENDALE COAL CO., Glendale, operates Glendale mine at Glendale. VEIN Pittsburg No. 8. Thickness 5 ft. 8 in. Slope. Machine mine. Daily capacity 1000 tons.

HITCHMAN COAL & COKE CO., Wheeling, operates Hitchman mine at Benwood. VEIN Pittsburg No. 8. Thickness 5 ft. 8 in. Slope. Machine mine. Daily capacity 2500 tons.

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WEST VIRGINIA—Marshall County—B. O. R. R.—(Continued)

MOUND COAL CO., Wheeling, operates Mound shaft at Moundsville. VEIN Pittsburg. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 600 tons.

PANAMA COAL MINING CO., Moundsville, operates Panama mine at Moundsville. VEIN Pittsburg No. 8. Thickness 5½ ft. Shaft. Machine mine. Daily capacity 1000 tons.

MASON COUNTY—County Seat, Point Pleasant.

BALTIMORE & OHIO RAILROAD.

BEECH GROVE COAL CO., Mason, operates Beech Grove mine at Mason City. VEIN Pittsburg No. 8. Thickness 5 to 6 ft. Incline. Pick mine. Daily capacity 100 tons.

DIXIE COAL WORKS, Pomeroy, Ohio operates Dixie mine at Mason. VEIN Pomeroy. Thickness 4 ft. 8 in. Drift. Pick mine. Daily capacity 100 tons.

HARRIS COAL CO., Spilman, operates Camden mine at Spilman. VEIN Pittsburg. Thickness 4 ft. Drift. Machine mine. Daily capacity 400 tons. Trade name "Pomeroy Bend." Analysis on file.

HARTFORD COAL & MINING CO., Hartford, operates Hartford mine at Hartford. VEIN Pittsburg No. 8. Thickness 5 ft. Slope. Machine mine. Daily capacity 250 tons. Analysis on file.

HUTCHINSON COAL CO., Fairmont, operates Linden mine near Mason City. VEIN Splint. Thickness 5 ft. Drift. Machine mine. Daily capacity 800 tons. Trade name "Linden." Analysis on file.

JACKSON COAL & MINING CO., Hartford, operates Jackson mine at Hartford. VEIN Pittsburg No. 8. Thickness 4½ to 5 ft. Drift. Pick mine. Mine just developing. Trade name "Qweeklite."

MERCER COUNTY—County Seat, Princeton.

NORFOLK & WESTERN RAILWAY.

AMERICAN COAL CO., of Allegheny Co., THE, New York, N. Y., operates Pinnacle and Crane Creek mines at McComas. VEIN Pocahontas No. 3. Thickness 4 ft. 8 in. Drifts. Pick and Machine mines. Daily capacity 2200 tons.

Same Company operates Piedmont mine at Widemouth. VEIN Pocahontas No. 3. Thickness 4¾ ft. Drift. Pick and Machine mine. Daily capacity 450 tons.

BOOTH-BOWEN COAL & COKE CO., Freeman, operates Booth-Bowen mine at Freeman. VEIN No. 3. Thickness 6 to 9 ft. Drift. Pick mine. Daily capacity 1000 to 1200 tons.

BUCKEYE COAL & COKE CO., Freeman, operates Buckeye mine at Freeman. VEIN Pocahontas No. 3. Thickness 5½ ft. Drift. Pick mine. Daily capacity 600 tons. Trade name "C. C. & B. Pocahontas."

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WEST VIRGINIA—Mercer County—N. & W. Ry.—(Continued)

CEPHUS COAL CO., Bluefield, operates mine at Godfrey. VEIN Pocahontas No. 3. Thickness 5 ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

CRYSTAL COAL & COKE CO., Godfrey, operates Crystal mines Nos. 1 and 2 at Godfrey. VEIN Pocahontas No. 3. Thickness 4 ft. 8 in. Drifts. Pick mines. Daily capacity 650 tons.

HIAWATHA COAL & COKE CO., Hiawatha, operates Hiawatha mine at Hiawatha. VEIN Pocahontas No. 3. Thickness 5 ft. Drift. Pick and Machine mine. Daily capacity 600 tons. Analysis on file.

LOUISVILLE COAL & COKE CO., Goodwill, operates Louisville-Goodwill mine at Goodwill. VEIN Pocahontas No. 3. Thickness 4 ft. 8 in. Drift. Pick and Machine mine. Daily capacity 1200 tons. Analysis on file.

PAWAMA COAL & COKE CO., Matoaka, operates Pawama mines Nos. 1 and 2 at Matoaka. (Also Virginian Ry.) VEIN Pocahontas No. 3. Thickness 54 to 58 in. Drifts. Pick mines. Daily capacity 500 tons. Analysis on file.

POCAHONTAS CONSOLIDATED COLLIERIES CO., Inc., Pocahontas, Va., operates Sagamore colliery at McComas. VEIN Pocahontas No. 3. Thickness 5½ ft. Drift. Pick and Machine mine. Daily capacity 800 tons.
Same Company operates Caswell Creek colliery at Freeman. VEIN Pocahontas No. 3. Thickness 10 ft. Drift. Pick mine. Daily capacity 1500 tons.

SMOKELESS COAL & COKE CO., Hiawatha, operates mine at Hiawatha. VEIN Pocahontas No. 3. Thickness 54 in. Drift. Pick and Machine mine. Daily capacity 300 tons. Analysis on file.

SPRING COAL MINING CO., Philadelphia, Pa., operates Spring mine at Springton. VEIN No. 4. Thickness 4½ ft. Drift. Pick mine. Daily capacity 750 tons. Trade name "Spring." Analysis on file.

THOMAS COAL CO., McComas, operates Thomas mine at McComas. VEIN Pocahontas No. 3. Thickness 5 ft. Drift. Pick mine. Daily capacity 650 tons.

WEYANOKE COAL & COKE CO., THE, Dayton, Ohio, operates Weyanoke and Elihu mines at Giatto. VEIN Pocahontas No. 3. Thickness 5 ft. Drifts. Machine and Pick mines. Daily capacity 700 tons. Trade name "Weyanoke."

VIRGINIAN RAILWAY.

PAWAMA COAL & COKE CO., Matoaka, operates Pawama mines Nos. 1 and 2 at Matoaka. (See N. & W. Ry.)

MINERAL COUNTY—County Seat, Keyser.

BALTIMORE & OHIO RAILROAD.

PIEDMONT & POTOMAC COAL CO., Cumberland, Md., operates Virginia mine at Piedmont. VEIN Kittanning. Thickness 6 ft. Drift. Pick mine. Daily capacity 250 tons.

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WEST VIRGINIA—Mineral County—B. & O. R. R.—(Continued)

WESTERN MARYLAND RAILROAD.

ABRAMS CREEK COAL & COKE CO., Piedmont, operates Oakmont mine at Oakmont. VEIN Upper Freeport. Thickness 5 ft. Drift. Machine mine. Daily capacity 300 tons. Analysis on file.

BIG VEIN COAL CO., of WEST VIRGINIA, Baltimore, Md., operates Four Foot mine at Shaw. VEIN Bakerstown. Thickness 2½ to 3 ft Drift. Pick mine. Daily capacity 100 tons. Analysis on file.

DAVIS COAL & COKE CO., Baltimore, Md., operates Ott mine No. 20 at Ott Siding. VEIN Upper Freeport. Thickness 5 ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "Ott."

Same Company operates Kittanning mines Nos. 14 and 15 at Kittanning. VEIN Upper Kittanning. Thickness 5 ft. Drifts. Pick mines. Daily capacity 375 tons. Trade name "Kittanning."

Same Company operates Tyson mine No. 10 at Elk Garden. VEIN Tyson. Thickness 6 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Tyson."

Same Company operates Elk Garden mine No. 6 at Elk Garden and Wabash mine No. 9 at Hartmonsville. VEIN Pittsburg. Thickness 12 ft. Drifts. Pick mines. Daily capacity 1100 tons. Trade name "Elk Garden Big Vein."

Same Company operates Hampshire mines Nos. 50 and 51 at W. Va. Central Junction. VEIN Bakertown. Thickness 3½ ft. Drifts. Pick mines. Daily capacity 360 tons. Trade name "Hampshire."

Same Company operates Montgomery Run mine No. 19 at W. Va. Central Junction. VEIN Lower Kittanning. Thickness 5 ft. Drift. Pick mine. Daily capacity 450 tons. Trade name "Hampshire."

DENMAN COAL CO., Fort Smith, Ark., operates Denman mine No. 3 at Emoryville. VEIN Freeport. Thickness 5 ft. Drift. Pick mine. Daily capacity 125 tons. Analysis on file.

GLADE RUN COAL & COKE CO., Philadelphia, Pa., operates Schnell and Sarah mines at Schnell. VEIN Lower Kittanning. Thickness 6 ft. Drifts. Pick mines. Daily capacity 350 tons. Trade name "Glade Run." Analysis on file.

GLEASON COAL & COKE CO., Philadelphia, Pa., operates Gleason mine No. 2 at Gleason. VEIN Lower Kittanning. Thickness average 6½ ft. Drift. Pick mine. Daily capacity 300 tons. Analysis on file.

MASTELLER COAL CO., Keyser, operates Hampshire mine at Hampshire. VEIN Hampshire. Thickness 4 ft. Drift. Pick mine. Daily capacity 200 tons. Trade name "Hampshire." Analysis on file.

Same Company operates New Creek mine at Hampshire. VEIN New Creek. Thickness 6 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "New Creek." Analysis on file.

SMITH COAL CO., Blaine, operates Smith mine at Blaine. VEIN Kittanning. Thickness 5 to 6 ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

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WEST VIRGINIA—Mineral County—W. M. R. R.—(Continued)

UPPER POTOMAC COAL CO., Philadelphia, Pa., operates Upper Potomac mine at Hubbard. VEIN Lower Kittanning. Thickness 4 to 6 ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "Upper Potomac." Analysis on file.

MINGO COUNTY—County Seat, Williamson.
NORFOLK & WESTERN RAILWAY.

BORDERLAND COAL CO., Roanoke, Va., operates Borderland mine at Borderland. VEIN Winifrede. Thickness 6 ft. Drift. Pick and Machine mine. Daily capacity 1000 tons. Trade name "Borderland."

BUFFALO COLLIERIES CO., THE, Chattaroy, operates Buffalo White Ash mine at Chattaroy. VEIN Winifrede. Thickness 4 ft. 8 in. Drift. Machine mine. Daily capacity 750 tons. Trade name "Buffalo White Ash." Analysis on file.

BURNWELL COAL & COKE CO., Pottsville, Pa., operates Burnwell mine at Sprigg. VEIN Warfield or No. 2 Gas. Thickness 5 ft. Drift. Machine mine. Daily capacity 1000 tons. Trade name "Burnwell." Analysis on file. (Mine in Pike County, Ky. Tipple in W. Va.)

CHATTAROY COLLIERY CO., Chattaroy, operates Chattaroy mine at Chattaroy. VEIN Winifrede. Thickness 5 to 6 ft. Incline. Machine mine. Daily capacity 500 tons. Trade name "Chattaroy White Ash."

GLEN ALUM COAL CO., Glen Alum, operates mines Nos. 1 and 2 at Glen Alum. VEIN Glen Alum. Thickness 6 ft. Drifts. Pick and Machine mines. Daily capacity 1700 tons. Analysis on file.

HOWARD COLLIERY CO., Chattaroy, operates mine at Chattaroy. VEIN Winifrede. Thickness 6 to 8 ft. Incline. Machine mine. Daily capacity 850 tons. Trade name "Howard White Ash." Analysis on file.

LINGOHOCKEN COAL CO., Falls Mills, Va., operates Lingohocken mine at Chattaroy. VEIN Winifrede. Thickness 4½ ft. Drift. Pick and Machine mine. Daily capacity 500 tons. Trade name "Wonderland." Analysis on file.

MARGARET MINING CO., Welch, operates Margaret mine at War Eagle. VEIN War Eagle No. 1. Thickness 5½ ft. Incline. Machine mine. Daily capcity 400 tons. Trade name "War Eagle." Analysis on file.

MARVIN COAL CO., Matewan, operates Marvin mine at Matewan. VEIN Cedar Grove. Thickness 3 ft. 10 in. Incline. Machine mine. Daily capacity 500 tons. Trade name "Marvin-Thacker." Analysis on file.

MINGO BLOCK COAL CO., THE, Morgantown, operates mine No. 1 at Prendergast. VEIN No. 2 Gas. Thickness 3 ft. Slope. Pick mine. Trade name "No. 2 Gas." Analysis on file.

Same Company operates mine No. 2 at Prendergast. VEIN Thacker. Thickness 11 ft. 3 in. Drift. Machine mine. Daily capacity 1000 tons. Analysis on file.

Same Company operates mine No. 3 at Prendergast. VEIN Winifrede. Thickness 8½ ft. Drift. Machine mine. Daily capacity 800 tons. Trade name "Mingo Block." Analysis on file.

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WEST VIRGINIA—Mingo County—N. & W. Ry.—(Continued)

RED JACKET CONSOLIDATED COAL & COKE CO., Bluefield, operates Red Jacket, Rutherford, Logan, Lick Fork, Red Jacket Jr., and Roanoke mines at Red Jacket. VEIN Red Jacket. Thickness 5 ft. Drifts. Machine mines. Daily capacity 4000 tons. Trade name "Red Jacket." Analysis on file.

SHANKLIN COAL CO., THE, JAS. R., Blockton, operates Naugatuck mine at Blockton. VEIN Coalburg. Thickness 4½ ft. Drift and Incline. Machine mine. Daily capacity 300 tons. Trade name "Naugatuck Splint."

THACKER COAL MINING CO., Rose Siding, operates Little Thacker mine at Rose Siding. VEIN Thacker. Thickness 3 ft. 10 in. to 4 ft. 10 in. Drift. Machine mine. Daily capacity 400 tons. Trade name "Standard Thacker." Analysis on file.

THACKER COAL & COKE CO., Elkhorn, operates Thacker mines Nos. 1, 2, 3, 4, and 10 at Thacker Mines. VEIN Thacker Splint. Thickness 7 ft. Drift. Pick and Machine mines. Daily capacity 3000 tons.

VULCAN COAL CO., Vulcan, operates Vulcan mine at Vulcan. VEIN Powellton. Thickness 5 ft. 8 in. Drift. Pick mine. Daily capacity 300 tons. Trade name "Vulcan." Analysis on file.

WAR EAGLE COAL CO., War Eagle, operates Pappoose and Mephisto mines at War Eagle. VEIN War Eagle No. 1. Thickness 5½ ft. Drifts. Machine mines. Daily capacity 1600 tons. Trade name "War Eagle." Analysis on file.

Same Company operates Star mine at War Eagle. VEIN War Eagle No. 2. Thickness 6 ft. 2 in. Drift. Machine mine. Daily capacity 700 tons. Trade name "War Eagle." Analysis on file.

Same Company operates War Eagle mine at War Eagle. VEIN War Eagle. Thickness 5 ft. Drift. Machine mine. Daily capacity 700 tons. Trade name "War Eagle." Analysis on file.

WARFIELD COAL CO., Bramwell, operates Warfield mine at Kermit. VEIN*. Thickness 4½ ft. Shaft. Machine mine. Daily capacity 300 tons.

WHITE STAR MINING CO., THE, Dayton, Ohio, operates White Star mine at Merrimac. VEIN Alma. Thickness 4 to 5 ft. Drift. Machine mine. Daily capacity 400 tons. Trade name "White Star Splint." Analysis on file.

WINIFREDE WHITE ASH COAL CO., Cincinnati, Ohio, operates Norfolk White Ash mine at Goodman. VEIN Winifrede White Ash. Thickness 6 ft. 4 in. Drift. Machine and Pick mine. Daily capacity 600 tons. Trade name "Norfolk White Ash Splint." Analysis on file.

MONONGALIA COUNTY—County Seat, Morgantown.

BALTIMORE & OHIO RAILROAD.

CONSOLIDATION COAL CO., Inc., THE, Baltimore, Md., operates Beechwood mine at Beechwood. VEIN Pittsburg. Thickness 7 ft. Slope. Machine mine.

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WEST VIRGINIA—Monongalia County—B. & O. R. R.—(Continued)

GREAT SCOTT COAL & COKE CO., THE, Morgantown, operates Great Scott mine at Star City. VEIN Pittsburg. Thickness 9½ ft. Drift. Pick mine. Daily capacity 500 tons. Analysis on file.

NEW GRANT COAL CO., Fairmont, operates Grant mine at Round Bottom. VEIN Pittsburg. Thickness 10 ft. Drift. Pick mine. Daily capacity 400 tons. Trade name "Grant." Analysis on file.

MORGANTOWN & KINGWOOD RAILROAD.

CONNELLSVILLE BASIN COKE CO., Philadelphia, Pa., operates Connellsville Basin mine at Rock Forge. VEIN Upper Freeport. Thickness 4 ft. Drift. Pick and Machine mine. Daily capacity 500 tons.

ELKINS COAL & COKE CO., Morgantown, operates mine No. 5 at Sabraton. VEIN Pittsburg. Thickness 7 ft. Drift. Machine mine. Daily capacity 700 tons. Analysis on file.

Same Company operates mine No. 1 at Richard. VEIN Upper Freeport. Thickness 4 ft. Slope. Pick mine. Daily capacity 600 tons. Anlysis on file.

McDOWELL COUNTY—County Seat, Welch.

NORFOLK & WESTERN RAILWAY.

ASHLAND COAL & COKE CO., Ashland, operates mine at Ashland. VEIN Pocahontas No. 3. Thickness 5 ft. Drift. Pick mine. Daily capacity 2000 tons.

ATLAS-POCAHONTAS COAL CO., Buffalo, N. Y., operates Antler mine at Antler. VEIN Pocahontas No. 3. Thickness 3 ft. Drift. Machine and Pick mine. Daily capacity 150 tons. Analysis on file.

BIG SANDY COAL & COKE CO., Syracuse, N. Y., operates Marytown mine at Marytown. VEIN Davy or Sewell. Thickness 4 ft. Drift. Pick mine. Daily capacity 1000 tons. Analysis on file.

Same Company operates Big Sandy mine at Big Sandy. VEIN Davy or Sewell. Thickness 3½ to 4 ft. Drift. Pick mine. Daily capacity 700 tons. Analysis on file.

BLACK WOLF COAL & COKE CO., Dearing, operates No. 4 mine at Dearing. VEIN Pocahontas No. 4. Thickness 6½ ft. Drift. Machine and Pick mine. Daily capacity 400 tons. Trade name "Miltrena."

BOTTOM CREEK COAL & COKE CO., Vivian, operates Bottom Creek mine at Vivian. VEIN No. 3. Thickness 6 ft. Drift. Pick mine. Daily capacity 1000 tons. Trade name "C. C. & B. Pocahontas." Analysis on file.

BUCHANAN COAL CO., Yukon, operates Buchanan mine at Yukon. VEIN War Creek. Thickness 4 ft. Drift. Pick mine. Daily capacity 100 tons. Analysis on file.

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WEST VIRGINIA—McDowell County—N. & W. Ry.—(Continued)

CENTRAL POCAHONTAS COAL CO., Gary, operates Central Pocahontas mine No. 1 at Anawalt. VEIN No. 3. Thickness 8 ft. Incline. Pick mine. Daily capacity 200 tons.

CIRRUS COAL & COKE CO., Frostburg, Md., operates Cirrus mines Nos. 1 and 2 at Big Four. VEINS Pocahontas Nos. 3 and 4. Thickness 64 and 57 inches respectively. Slopes. Pick and Machine mines. Daily capacity 400 tons.

CROZER COAL & COKE CO., Upland, Pa., operates Crozer mines Nos. 1 and 2 at Elkhorn. VEIN Pocahontas No. 3. Thickness 8½ ft. Drifts. Pick and Machine mines. Daily capacity 2000 tons. Trade name "Crozer-Pocahontas." Analysis on file.

DIXON-POCAHONTAS FUEL CO., Olmsted, operates Northside and Southside mines at Olmsted. VEIN Pocahontas No. 4. Thickness 5 ft. 4 in. Shafts. Pick and Machine mines. Daily capacity 650 tons. Analysis on file.

DRY FORK COLLIERY CO., Bramwell, operates mine at Yukon. VEIN Pocahontas War Creek. Thickness 6 ft. Slope. Pick mine. Daily capacity 600 tons. Analysis on file.

ELKHORN COAL & COKE CO., Maybeury, operates Elkhorn mine at Maybeury. VEIN Pocahontas No. 3. Thickness 8 ft. Drift. Pick mine. Daily capacity 1000 tons. Analysis on file.

ELK RIDGE COAL & COKE CO., North Fork, operates Elk Ridge mine at North Fork. VEIN Pocahontas No. 3. Thickness 7 ft. Drift. Pick mine. Daily capacity 1000 tons.

EMPIRE COAL & COKE CO., Landgraff, operates Empire mine at Landgraff. VEIN Pocahontas No. 3. Thickness 6 ft. Drift. Pick mine. Daily capacity 1200 tons. Analysis on file.

EUREKA COAL & COKE CO., Eckman, operates Eureka mine at Eckman. VEIN Pocahontas No. 3. Thickness 7 ft. Drift. Pick mine. Daily capacity 1000 tons.

GILLIAM COAL & COKE CO., Gilliam, operates Gilliam mine at Gilliam. VEIN Pocahontas No. 3. Thickness 5½ ft. Drift. Pick mine. Daily capacity 1200 tons.

GREENBRIER COAL & COKE CO., McDowell, operates Greenbrier mine at McDowell. VEIN Pocahontas No. 3. Thickness 6 ft. Drift. Pick mine. Daily capacity 1000 tons. Analysis on file.

HALL MINING CO., Yukon, operates mines Nos. 1 and 2 at Yukon. VEIN War Creek. Thickness 5 ft. 10 in. Drifts. Machine and Pick mines. Daily capacity 600 tons. Trade name "Yukon." Analysis on file.

HEMPHILL COLLIERY, Bramwell, operates mine at Welch. VEIN Pocahontas Thin Vein. Thickness average 3½ ft. Drift. Machine and Pick mine. Daily capacity 300 tons. Analysis on file.

HENRIETTA COAL & COKE CO., English, operates Henrietta mine No. 81 at Bartley. VEIN Pocahontas No. 7. Thickness 3½ ft. Drift. Pick mine. Daily capacity 125 tons. Analysis on file.

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WEST VIRGINIA—McDowell County—N. & W. Ry.—(Continued)

HOUSTON COAL & COKE CO., Elkhorn, operates Houston mines Nos. 1 and 2 at Elkhorn. VEIN Pocahontas. Thickness 7 ft. Drifts. Pick mines. Daily capacity 2000 tons. Trade name "Houston-Pocahontas."

HURRICANE BRANCH COAL CO., Lex, operates Hurricane Branch mine at Lex. VEIN Pocahontas No. 6. Thickness 40 in. Drift. Pick mine. Daily capacity 100 tons. Analysis on file.

INDIAN RIDGE COAL & COKE CO., Worth, operates Indian Ridge mine at Worth. VEIN Pocahontas No. 3. Thickness 5 ft. Drift. Machine and Pick mine. Daily capacity 1500 tons. Analysis on file.

JED COAL & COKE CO., Philadelphia, Pa., operates mine at Jed. VEIN Pocahontas. Thickness 12 ft. Shaft. Machine and Pick mine. Daily capacity 750 tons.

JEWETT, BIGLOW & BROOKS COLLIERIES CO., Twin Branch, operates mines Nos. 1 and 3 at Hensley, and No. 2 at Twin Branch. VEIN Pocahontas. Thickness 4 ft. Nos. 1 and 3 Pick mines, No. 2 Machine and Pick mine. Daily capacity 900 tons.

KEYSTONE COAL & COKE CO., Keystone, operates Keystone mine at Keystone. VEIN Pocahontas. Thickness 6 ft. 3 in. Drift. Pick mine. Daily capacity 1500 tons.

KING COAL CO., THE, Columbus, Ohio, operates King mine at Vivian. VEIN Pocahontas No. 3. Thickness 6 ft. Slope. Pick and Machine mine. Daily capacity 3000 tons. Trade name "King." Analysis on file.

LYNCHBURG COAL & COKE CO., Kyle, operates Lynchburg mine at Kyle. VEIN Pocahontas. Thickness*. Pick mine.

MAHER COAL & COKE CO., Twin Branch, operates Maher mine at Twin Branch. VEIN Pocahontas. Thickness 4 ft. Drift. Machine and Pick mine. Daily capacity 500 tons.

MIDDLE STATES COAL & COKE CO., THE, Columbus, Ohio, operates Helena mine at Olmsted. VEIN No. 4. Thickness 6 ft. Shaft. Machine mine. Daily capacity 1400 tons. Analysis on file.

MINA COAL CO., Columbus, Ohio, operates Mina mine at Iaeger. VEIN Pocahontas. Thickness 3 ft. Drift and Incline. Pick mine. Daily capacity 100 tons.

MOHAWK COAL & COKE CO., Powhatan, operates Mohawk mine at Mohawk. VEIN Mohawk. Thickness 6 ft. Drift. Machine mine. Daily capacity 300 tons.

McDOWELL COAL & COKE CO., McDowell, operates McDowell mine at McDowell. VEIN No. 3. Thickness 5½ ft. Drift. Machine and Pick mine. Daily capacity 1500 tons.

*NOT REPORTED

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WEST VIRGINIA—McDowell County—N. & W. Ry.—(Continued)

OREGON COAL CO., Hemphill, operates mine at Hemphill. VEIN Pocahontas. Thickness 3 ft. 8 in. Drift. Machine and Pick mine. Daily capacity 500 tons. Analysis on file.

PEERLESS COAL & COKE CO., Vivian, operates mine at Vivian. VEIN Pocahontas No. 3. Thickness 6 ft. Drift. Machine and Pick mine. Daily capacity 1000 tons. Analysis on file.

PITTSBURGH & OHIO MINING CO., THE, Cleveland, Ohio, operates Pando Coal Company's Pando mine at Pando. VEIN Smithing. Thickness 5 ft. Incline. Machine mine. Daily capacity 1000 tons. Trade name "Pando." Analysis on file.

POCAHONTAS CONSOLIDATED COLLIERIES CO., Inc., Pocahontas, Va., operates Shamokin, Delta, and Lick Branch mines at Switchback. VEIN Pocahontas No. 3. Thickness 8½ ft. Drifts. Machine and Pick mines. Daily capacity 6500 tons.
Same Company operates Norfolk-Angle Colliery at Switchback. VEIN Pocahontas No. 3. Thickness 9 ft. Drift. Machine and Pick mine. Daily capacity 4000 tons.
Same Company operates Rolfe colliery at Worth. VEIN Pocahontas No. 3 Thickness 6 ft. Drift. Machine and Pick mine. Daily capcity 600 tons.
Same Company operates Cherokee Colliery at Ashland. VEIN Pocahontas No. 3. Thickness 6 ft. Drift. Pick mine. Daily capacity 1000 tons.

POCAHONTAS DOMESTIC COAL CO., THE, Cleveland, Ohio, operates Scorpian mine at War. VEIN Pocahontas. Thickness 4½ ft. Incline Pick mine. Daily capacity 250 tons. W. H. Warner & Co., Cleveland, Ohio, Exclusive Sales Agents.

POCAHONTAS SMOKELESS COAL CO., Welch, operates Slick Rock mine at Welch. VEIN Pocahontas No. 6. Thickness 5 ft. Drift and Incline. Pick mine. Daily capacity 500 tons. Analysis on file.

POWHATAN COAL & COKE CO., Powhatan, operates mine at Powhatan. VEIN Pocahontas No. 3. Thickness average 7 ft. Drift. Pick mine. Daily capacity 2000 tons.

PREMIER POCAHONTAS COLLIERIES CO., Flanagan, operates mines Nos. 1, 2 and 3 at Flanagan. VEIN Welch. Thickness 4 to 5 ft. Drifts. Pick mines. Daily capacity 500 tons.

PULASKI IRON CO., Pulaski, operates Pulaski mine at Eckman. VEIN Pocahontas No. 3. Thickness 6½ ft. Drift. Pick mine. Daily capacity 2555 tons. Analysis on file.

REYNOLDS MINING CO., Welch, operates Lex mine at Lex. VEIN Pocahontas No. 5. Thickness 4 ft. Drift. Pick mine. Daily capacity 100 tons.

ROANOKE COAL & COKE CO., Worth, operates Roanoke mine at Worth. VEIN Pocahontas No. 3. Thickness 63 in. Drift. Pick mine. Daily capacity 900 tons. Analysis on file.

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WEST VIRGINIA—McDowell County—N. & W. Ry.—(Continued)

SUPERIOR POCAHONTAS COAL CO., Hallsville operates Blackstone mine at Hallsville. VEIN Pocahontas. Thickness 4 ft. Drift and Incline. Pick mine. Daily capacity 1000 tons. Analysis on file.
Same Company operates Helena and Davy Crockett mines at Davy. VEIN Pocahontas. Thickness 3½ ft. Drifts. Machine and Pick mines. Daily capacity 500 tons. Analysis on file.
Same Company operates Cletus mine at Davy. VEIN Pocahontas. Thickness 4 ft. Drift with Incline. Machine mine. Daily capacity 250 tons. Analysis on file.

TIDEWATER COAL & COKE CO., Columbus, Ohio, operates Tidewater mine at Vivian. VEIN Pocahontas No. 3. Thickness 6 ft. Drift. Machine and Pick mine. Daily capacity 2500 tons. Analysis on file.

TURKEY GAP COAL & COKE CO., Ennis, operates Turkey Gap mine at Ennis. VEIN Pocahontas No. 3. Thickness 8½ ft. Drift. Pick mine. Daily capacity 2000 tons.

TWIN BRANCH MINING CO., Twin Branch, operates Twin Branch mine at Twin Branch. VEIN Pocahontas. Thickness 4 ft. Drift. Machine and Pick mine. Daily capacity 800 tons.

UNITED STATES COAL & COKE CO., Gary, operates mine No. 1 at Tug River. VEINS Nos. 3 and 4. Thickness 5½ ft. Shaft. Machine and Pick mine. Daily capacity 1000 tons. Analysis on file.
Same Company operates mines Nos. 2, 3 and 6 at Gary; Nos. 7 and 8 at Elbert; and No. 9 at Rogers. VEIN No. 4. Thickness 4 ft. 7 in. to 7 ft. Drifts. Machine and Pick mines. Daily capacity 6800 tons.
Same Company operates mines Nos. 4 and 5 at Jared; mine No. 10 at Gary and mine No. 12 at Anawalt. VEIN No. 3. Thickness 5 ft. 9 in. to 8 ft. 2 in. Drifts. Machine and Pick mines. Daily capacity 3800 tons.
Same Company operates mine No. 11 at Jared. VEINS Nos. 3 and 4. Thickness 5 ft. 2 in. Drift. Machine and Pick mine. Daily capacity 1500 tons. Analysis on file.

UPLAND COAL & COKE CO., Elkhorn, operates Upland mine at Elkhorn. VEIN Pocahontas No. 3. Thickness 7 to 8 ft. Drift. Machine and Pick mine. Daily capacity 1800 tons. Analysis on file.

VAUGHAN COAL & COKE CO., Roderfield, operates Vaughan mine at Roderfield. VEIN Thin Vein Pocahontas. Thickness 4 ft. 2 in. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

VIRGINIA FUEL CO., Goodwill, operates Virginia mine at Big Four. VEIN Pocahontas No. 3. Thickness 5½ ft. Slope. Pick mine. Daily capacity 125 tons.

VIRGINIA-POCAHONTAS COAL CO., Johnson City, Tenn., operates mines Nos. 1, 2, 3 and 4 at Coalwood. VEIN Welch. Thickness 4½ ft. Drifts. Pick mines. Daily capacity 1200 tons.

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WEST VIRGINIA—McDowell County—N. & W. Ry.—(Continued)

Same Company operates mine No. 5 at Caretta. VEIN War Creek. Thickness 4 ft. Drift. Machine and Pick mine. Daily capacity 500 tons.

Same Company operates mine No. 6 at Coalwood. VEIN Davy or Sewell. Thickness*. Drift and Incline. Pick mine. Daily capacity 300 tons.

WELCH COAL & COKE CO., Bramwell, operates mine at Welch. VEIN Pocahontas Thin Vein. Thickness 4 ft. Drift. Machine and Pick mine. Daily capacity 400 tons. Analysis on file.

ZENITH COAL & COKE CO., Crumpler, operates Zenith mine at Crumpler. VEIN Pocahontas No. 3. Thickness 4 ft. 8 in. Drift. Pick mine. Daily capacity 1000 tons. Analysis on file.

NICHOLAS COUNTY—County Seat, Summersville.

BALTIMORE & OHIO RAILROAD.

SAXMAN COAL & COKE CO., Philadelphia, Pa., operates Saxman mine at Saxman. VEIN Sewell. Thickness 4 ft. Drift. Pick and Machine mine. Daily capacity 500 tons. Trade name "Gawley." Analysis on file.

CHESAPEAKE & OHIO RAILWAY.

ARMINIUS COAL CO., THE, Scotford, operates Arminius mine at Scotford. VEIN Coalburg. Thickness 4½ ft. Drift and Incline. Pick mine. Daily capacity 150 tons. Trade name "Arminius."

OHIO COUNTY—County Seat, Wheeling.

BALTIMORE & OHIO RAILROAD.

ELM GROVE COAL CO., THE, Elm Grove, operates mine at Elm Grove. VEIN Pittsburg No. 8. Thickness 5 ft. Shaft. Machine mine. Daily capacity 600 tons. Analysis on file.

PITTSBURG, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY—(PENNA. LINES.)

RICHLAND COAL CO., Wheeling, operates Richland mine at Wheeling. VEIN Pittsburg. Thickness 5½ ft. Drift. Machine mine. Daily capacity 1000 tons. Trade name "Richland."

PRESTON COUNTY—County Seat, Kingwood.

BALTIMORE & OHIO RAILROAD.

AUSTEN COAL & COKE CO., THE, Austen, operates Austen mines Nos. 1 and 2 at Austen. VEIN Upper Freeport. Thickness 4½ ft. Drifts. Pick and Machine mines. Daily capacity 900 tons. Analysis on file.

GORMAN COAL & COKE CO., Baltimore, Md., operates Gorman mines Nos. 1 and 2 at Austen. VEIN Upper Freeport. Thickness 4½ ft. Drifts. Pick and Machine mines. Daily capacity 400 tons. Analysis on file.

*NOT REPORTED

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WEST VIRGINIA—Preston County—B. & O. R. R.—(Continued)

HIORRA COKE CO., Uniontown, Pa., operates Vulcan mine at Hiorra. VEIN Upper Freeport. Thickness 52 in. Drift. Pick and Machine mine. Daily capacity 300 tons. Trade name "Vulcan."

KINGWOOD COAL CO., Philadelphia, Pa., operates Howesville mine at Howesville. VEIN Freeport. Thickness 5 ft. Drift. Machine mine. Daily capacity 400 tons. Trade name "Kingwood."

OAKLAND COAL & COKE CO., Baltimore, Md., operates Oakland mine at Corinth. VEIN Upper Freeport. Thickness 4 ft. Drift. Pick and Machine mine. Daily capacity 800 tons. Trade name "Oakland."

MORGANTOWN & KINGWOOD RAILROAD.

ELKINS COAL & COKE CO., Morgantown, operates mine No. 2 at Bretz, and No. 6 at Masontown. VEIN Upper Freeport. Thickness 4 to 5 ft. Slopes. Pick mines. Daily capacity 1300 tons. Analysis on file.
Same Company operates mine No. 4 at Kingwood. VEIN Upper Freeport. Thickness 4 ft. Drift. Machine mine. Daily capacity 600 tons. Analysis on file.

PRESTON COUNTY COKE CO., Cascade, operates Cascade mine at Cascade. VEIN Freeport. Thickness 4 ft. Drift. Pick mine. Daily capacity 500 tons.

PUTNAM COUNTY—County Seat, Winfield.

KANAWHA & MICHIGAN RAILWAY.

ALPHA COAL MINING CO., Pittsburg, Pa., operates Vance mine at Plymouth. VEIN George Creek. Thickness 5 to 6 ft. Pick mine. Daily capacity 600 tons.

BLACK BETSEY COAL MINING CO., Black Betsey, operates Black Betsey mines Nos. 1 and 2 at Black Betsey. VEIN Pittsburg. Thickness 5 ft. 8 in. Drift. Pick mine. Daily capacity 1000 tons. Trade name "Black Betsey."

PLYMOUTH COAL & MINING CO., Plymouth, operates Plymouth mine at Plymouth. VEIN Raymond. Thickness 5½ ft. Drift. Pick mine. Daily capacity 700 tons. Trade name "Plymouth."

KANAWHA RIVER.

OAK FOREST COAL CO., Point Pleasant, operates Oak Forest mine at Oak Forest. VEIN Pittsburg. Thickness 4 ft. Slope. Machine mine. Daily capacity 160 tons. Analysis on file.

RALEIGH COUNTY—County Seat, Beckley.

CHESAPEAKE & OHIO RAILWAY.

BECKLEY COAL & COKE CO., Macdonald, operates Beckley mine at Wickham. VEIN Beckley. Thickness 4½ ft. Slope. Pick and Machine mine. Daily capacity 1100 tons. Trade name "White Oak."

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WEST VIRGINIA—Raleigh County—C. & O. Ry.—(Continued)

BLUE JAY LUMBER CO., Blue Jay, operates mine No. 4 at Dugout. VEIN Beckley. Thickness 4½ to 5 ft. Incline. Pick mine. Daily capacity 350 tons.

CRANBERRY FUEL CO., Macdonald, operates Cranberry mine at Cranberry and Prosperity mine at Prosperity. VEIN Sewell. Thickness 4½ and 4 ft. respectively. Shafts. Pick and Machine mines. Daily capacity 1000 tons. Trade name "White Oak."

MABSCOTT COAL & COKE CO., Macdonald, operates Mabscott mine at Mabscott. VEIN Beckley. Thickness 4½ ft. Drift. Pick mine. Daily capacity 550 tons. Trade name "White Oak."

McKELL COAL & COKE CO., Glen Jean, operates Tamroy, Graham and Oswald mines at Oswald. VEIN Sewell. Thickness 4½ to 5 ft. Drifts. Machine and Pick mines. Daily capacity 1650 tons. Trade name "Admiralty."

PINEY MINING CO., Charleston, operates mine No. 1 at Stanaford. VEIN Beckley. Thickness 4 to 8 ft. Drift and Incline. Pick and Machine mine. Daily capacity 700 tons. Trade name "New River Smokeless." Analysis on file.

Same Company operates mine No. 2 at Stanaford. VEIN Beckley. Thickness 4 to 8 ft. Drift and Incline. Pick mine. Daily capacity 400 tons. Trade name "New River Smokeless." Analysis on file.

Same Company operates mine No. 3 at Riley. VEIN Sewell. Thickness 4 to 5 ft. Drift. Pick mine. Daily capacity 500 tons. Trade name "New River Smokeless." Analysis on file.

Same Company operates mine No. 4 at Riley. VEIN Beckley. Thickness 4 to 7 ft. Drift and Incline. Pick and Machine mine. Daily capacity 450 tons. Trade name "New River Smokeless." Analysis on file.

PRICE HILL FUEL CO., Macdonald, operates Sherwood and Price Hill mines at Price Hill. VEIN Sewell. Thickness 4 ft. Shafts. Pick and Machine mines. Daily capacity 500 tons. Trade name "White Oak."

RALEIGH COAL & COKE CO., Raleigh, operates mines Nos. 1 and 2 at Raleigh. VEIN Beckley. Thickness 4½ ft. Drifts. Pick mines. Daily capacity 1200 tons. Trade name "Raleigh."

Same Company operates mine No. 3 at Raleigh. VEIN Beckley. Thickness 4½ ft. Drift. Pick and Machine mine. Daily capacity 1200 tons. Trade name "Raleigh."

Same Company operates mines Nos. 4 and 6 at Raleigh. VEIN Beckley. Thickness 5 ft. Drifts. Machine mines. Daily capacity 1700 tons. Trade name "Raleigh."

Same Company operates mine No. 5 at Raleigh. VEIN Sewell. Thickness 4 ft. Drift. Pick mine. Daily capacity 300 tons. Trade name "Raleigh."

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WEST VIRGINIA—Raleigh County—C. & O. Ry.—(Continued)

STONEWALL COAL & COKE CO., Terry, operates Terry mine at Terry. VEIN Fire Creek. Thickness 4 ft. Drift. Pick and Machine mine. Daily capacity 550 tons. Analysis on file.
Same Company operates Stonewall mine No. 2 at Stonewall. VEIN Fire Creek. Thickness 3 ft. Drift. Pick mine. Daily capacity 150 tons. Trade name "Fire Creek Lump." Analysis on file.
Same Company operates Stonewall mine No. 3 at Stonewall. VEIN Sewell. Thickness 5 ft. Drift. Pick mine. Daily capacity 300 tons. Analysis on file.

SULLIVAN COAL & COKE CO., Sullivan, operates Sullivan mine at Sullivan. VEIN Beckley. Thickness 4 to 5 ft. Drift. Pick mine. Daily capacity 600 tons. Trade name "New River."

WRIGHT COAL & COKE CO., THE, Wright, operates Wright mines Nos. 1 and 2 at Wright. VEIN Fire Creek. Thickness 5 ft. Inclines. Pick mines. Daily capacity 800 tons.

VIRGINIAN RAILWAY.

GULF COAL CO., THE, Dayton, Ohio, operates Gulf mine at Patterson. VEIN Beckley. Thickness 7 ft. Drift. Pick mine. Mine just developing.

LYNWIN COAL CO., Blue Jay, operates mine No. 1 at Goodwin. VEIN Beckley. Thickness 4 ft. 4 in. to 4 ft. 10 in. Drift. Pick mine. Just developing.

SLAB FORK COAL CO., Slab Fork, operates Slab Fork mine at Slab Fork. VEIN Beckley. Thickness 3½ to 6½ ft. Drift. Pick and Machine mine. Daily capacity 800 tons. Analysis on file.

WHITE, E. E., COAL CO., Glen White, operates mines Nos. 1 and 2 at Glen White. VEIN Beckley. Thickness 10 ft. Shafts. Pick mines. Daily capacity 500 tons, mine developing. Trade name "C. C. B.," "New River Smokeless." Analysis on file.

RANDOLPH COUNTY—County Seat, Elkins.

COAL & COKE RAILWAY.

DAVIS COLLIERY CO., Elkins, operates mine No. 1 at Coalton, No. 2 at Sivad and No. 5 at West Harding. VEIN Upper Freeport. Thickness*. Drifts and Incline. Pick mines. Daily capacity 2700 tons. Trade name "Hiawatha."

GREEN, W. H., Mabie, operates Klondyke mine at Mabie. VEIN Kittanning. Thickness 8 ft. Drift. Pick mine. Daily capacity 150 tons. Analysis on file.

WESTERN MARYLAND RAILROAD.

DAVIS COAL & COKE CO., Baltimore, Md., operates Weaver mines Nos. 1 and 2 at Weaver. VEIN Lower Kittanning. Thickness 9 ft. Drifts. Pick mines. Daily capacity 1100 tons. Trade name "Beaver Creek."

*NOT REPORTED

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WEST VIRGINIA—Randolph County—W. M. R. R.—(Continued)

DAVIS COLLIERY CO., Elkins, operates mine No. 3 at Harding. VEIN Upper Freeport. Thickness*. Drift. Pick mine. Daily capacity 1000 tons. Trade name "Hiawatha."

TAYLOR COUNTY—County Seat, Grafton.

BALTIMORE & OHIO RAILROAD.

DAVIS, T. B., Piedmont, operates mine at Flemington. VEIN Pittsburg. Thickness 7 ft. Drift. Pick mine. Daily capacity 300 to 600 tons. Analysis on file.

HARRISON COAL CO., Meyersdale, Pa., operates Harrison mine at Tryconnell. VEIN Pittsburg. Thickness 8 ft. Drift. Pick mine. Daily capacity 250 tons. Analysis on file.

MARYLAND COAL CO., New York, N. Y., operates Wendel mine near Simpson. VEIN Pittsburg. Thickness 6 ft. Drift. Pick and Machine mine. Daily capacity 1000 tons. Trade name "Wendel."

McGRAW COAL CO., Frostburg, Md., operates New York mine at Simpson. VEIN Pittsburg. Thickness 7 to 12 ft. Drift. Pick and Machine mine. Daily capacity 350 tons. Trade name "Fairmont Gas." Analysis on file.

PITTSVEIN COAL CO., New York, N. Y., operates Flemington mine at Flemington. VEIN Pittsburgh. Thickness 9 ft. Drift. Machine and Pick mine. Daily capacity 1000 tons. Analysis on file.

WINONA COAL & COKE CO., Ruff's Dale, Pa., operates Winona mine at Grafton. VEINS Mahoning and Upper Freeport. Thickness 4 to 5 ft. Drift. Machine and Pick mine. Daily capacity 420 tons. Trade name "Winona."

TUCKER COUNTY—County Seat, Parsons.

WESTERN MARYLAND RAILROAD.

CUMBERLAND COAL CO., Baltimore, Md., operates Douglas mine at Douglas. VEIN Lower Kittanning. Thickness 6 ft. Drift. Machine and Pick mine. Daily capacity 800 tons. Trade name "Douglas Purity Smithing" and "Douglas Steam." Analysis on file.

DAVIS COAL & COKE CO., Baltimore, Md., operates Thomas mines Nos. 23 and 25 at Thomas, and mine No. 24 at Coketon. VEIN Upper Freeport. Thickness 6 to 8 ft. Drifts. Pick mines. Daily capacity 2100 tons. Trade name "Thomas."
Same Company operates mine No. 26 and Coketon mines Nos. 35, 36 and 37 at Coketon and Thomas mine No. 34 at Thomas. VEIN Lower Kittanning. Thickness 5½ to 6 ft. Mine No. 34 shaft, balance drifts. Pick mines. Daily capacity 2100 tons. Trade name "Davis."

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WEST VIRGINIA—(Continued)

UPSHUR COUNTY—County Seat, Buckhannon.

BALTIMORE & OHIO RAILROAD.

NEWCOMER COAL CO., Scottdale, Pa., operates Newcomer mine at Teter. VEIN Pittsburgh. Thickness 6 to 7 ft. Drift. Pick mine. Daily capacity 200 tons. Analysis on file.

RED ROCK FUEL CO., Red Rock, operates Red Rock mine at Red Rock. VEIN Red Stone. Thickness 5 ft. Drift. Machine and Pick mine. Daily capacity 400 tons. Analysis on file.

COAL & COKE RAILWAY.

BUCKHANNON RIVER COAL CO., Uniontown, Pa., operates Adrian mine at Adrian. VEIN Barton or Masontown. Thickness 6 ft. Drift. Pick mine. Daily capacity 250 tons. Analysis on file.

WAYNE COUNTY—County Seat, Wayne.

NORFOLK & WESTERN RAILWAY.

EAST LYNN COAL CO., East Lynn, operates East Lynn mine at East Lynn. VEIN East Lynn. Thickness 62 in. Drift. Pick mine. Daily capacity 250 tons. Analysis on file.

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P. A. Address the Company
Gray Coal Co., E. S., Danville, Ill.....Ill. mines 37
P. A. T. A. Smith
Gray Coal Co., (See No. 44).....*Ky. mines* 59
Great Elk Co., Carbon Hill, Ala.....Ala. mines 10
P. A. Dan McDonald
Great Kanawha Colliery Co., (See No. 15).....*W. Va. mines* 182
Great Lakes Coal Co., Pittsburgh, Pa.....Penn. mines 117
P. A. J. E. Stauffer
Great Scott Coal & Coke Co., The, Morgantown, W. Va.W. Va. mines 202
P. A. A. H. Tait
Green, W. H., Mabie, W. Va.....W. Va. mines 210
P. A. W. H. Green
Greenbrier Coal & Coke Co., McDowell, W. Va.....W. Va. mines 203
P. A. Jairus Collins
Greenough Coal & Coke Co., Shamokin, Pa.....Ky. mines 63
P. A. L. Castle, Hellier, Ky.
Green River Coal Co., Evansville, Ind.....Ky. mines 57
P. A. Address the Company
Green River Coal Co., Inc., Spottsville, Ky.....Ky. mines 57
P. A. Address the Company
Green River Coal & Coke Co., Island, Ky.....Ky. mines 63
P. A. E. S. Randall
Green Valley Coal Co., (See No. 84).....*Ind. mines* 44
Greenville Coal Co., Powderly, Ky.....Ky. mines 61
P. A. C. M. Martin
Gregory Coal & Mining Co., Shelburn, Ind.....Ind. mines 47
P. A. Thomas Gregory

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14 Bear Rock Coal Co., Lilly, Pa.....Penn. mines 122
P. A. John Leahy
Leahy Coal Mining Co.....Penn. mines 123

Bear Run Coal & Coke Co., (See No. 9).....Penn. mines 144

Beatty Coal Co., Mascoutah, Ill.....Ill. mines 32
P. A. Address the Company

Beaver Coal Co., Bay City, Mich.....Mich. mines 75
P. A. Address the Company

Beaver Coal & Coke Co., Wampum, Pa.....Penn. mines 146
P. A. H. K. Hartsuff

Beaver Run Coal Co., Beaverdale, Pa.....Penn. mines 122
P. A. C. F. Fraser

15 Beckley Coal & Coke Co., Macdonald, W. Va.....W. Va. mines 208
P. A. R. J. Stegall, Glen Jean, W. Va.
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Cranberry Fuel Co.....W. Va. mines 209
Dunn Loop Coal & Coke Co.....W. Va. mines 181
Eureka Colliery Co.....W. Va. mines 181
Great Kanawha Colliery Co.....W. Va. mines 182
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Sugar Creek Coal & Coke Co.....W. Va. mines 184
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White Oak Fuel Co.....W. Va. mines 185

Beech Bottom Coal Co., Wellsburg, W. Va.....W. Va. mines 178
P. A. Elmer Hough

Beech Creek Coal Co., Beech Creek, Ky.....Ky. mines 62
P. A. A. D. Kirkpatrick

Beech Grove Coal Co., Mason, W. Va.....W. Va. mines 197
P. A. J. F. Icenhower

Beechwood Coal & Coke Co., Claremont, W. Va.....W. Va. mines 180
P. A. E. L. Hawley

Bell County Coal Co., Tinsley, Ky.....Ky. mines 53
P. A. Address the Company

Belle Valley Coal Mining Co., The, Cambridge, Ohio....Ohio mines 103
P. A. J. H. Opperman

Bellevue Coal Co., The, Carlisle, Ind.....Ind. mines 47
P. A. W. H. Arnold

Bellfield Coal & Coke Co., Altoona, Pa.....Penn. mines 122
P. A. F. P. McFarland

Bellmore Coal Co., Burnside, Pa.....Penn. mines 129
P. A. E. Bellis

Bell-Union Coal & Coke Co., Curlew, Ky.....Ky. mines 65
P. A. L. J. Bowman

16 Belmont Coal Co., Cincinnati, Ohio.....W. Va. mines 189
P. A. Address the Company
Winifrede Coal Co.....W. Va. mines 191

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P. A. M. J. McQuade
Ben's Creek Coal Mining Co., Altoona, Pa.....Penn. mines 122
P. A. Address the Company
17 Ben's Creek-Sonman Coal Co., Minersville, Pa.....Penn. mines 122
P. A. Jas. Strachan, Sonman, Pa
Sonman Shaft Coal Co.....Penn. mines 125
Benton Coal Co., Benton, Ill.....Ill. mines 17-18
P. A. Address the Company
Berger-Aiken Coal Co., Pittsburg, Pa.....Penn. mines 147
P. A. W. L. Berger
Bergholz Coal Co., The, Bergholz, Ohio.....Ohio mines 96
P. A. John S. McKeever
Berwindale Coal & Coke Co., Philadelphia, Pa.....Penn. mines 131
P. A. Address the Company
Bessemer Coal, Iron & Land Co., Birmingham, Ala.....Ala. mines 3-4
P. A. A. L. Peace
8 Bessemer Coal & Coke Co., The, Pittsburgh, Pa.....Penn. mines 113
P. A. E. M. Love
Waverly Coal & Coke Co.....Penn. mines 153
Bessemer Coke Co., Pittsburgh, Pa.....Penn. mines 137-152-155
P. A. R. L. Martin
Bessemer & Lake Erie Coal Mining Co., Pittsburgh, Pa..Penn. mines 119
P. A. A. L. Brockway
Betsy Layne Coal Co., Betsy Layne, Ky.....Ky. mines 57
P. A. Clayton S. Hitchins
Betz Coal Mining Co., Philadelphia, Pa.....Penn. mines 131
P. A. Roberts Lowrie
Beury Bros. Coal & Coke Co., Beury, W. Va.....W. Va. mines 180
P. A. H. B. Beury
Bevier Coal Co., Cleaton, Ky .....Ky. mines 62
P. A. J. C. Brown
Big Branch Coal Co., Lookout, Ky.....Ky mines 63
P. A. J. W. Cockill
Big Brushy Coal & Coke Co., Petros, Tenn.....Tenn. mines 164
P. A. W. S. Wood
Big Creek Coal Co., Chicago, Ill.....Ill. mines 18
P. A. H. E. Stuart
Big Four Coal Co., Birmingham, Ala.....Ala. mines 7
P. A. J. H. Ham
Big Four Coal Co., Boonville, Ind.....Ind. mines 51
P. A. Address the Company
Big Four Wilmington Coal Co., Chicago, Ill.....Ill. mines 19-20
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P. A. W. C. Welmon, R. F. D. No. 2
Big Muddy Fuel Co., Marion, Ill.....Ill. mines 38
P. A. Address the Company
Big Ridge Coal Co., Jasper, Ala.....Ala. mines 11
P. A. Howard Lamar
Big Run Coal Co., Winchester, Ky.....Ky. mines 56
P. A. Address the Company
Big Sandy Coal & Coke Co., Syracuse, N. Y.....W. Va. mines 202
P. A. Address the Company
Big Vein Coal Co., The, Cleveland, Ohio.....Ohio mines 88
P. A. Walter Robson
Big Vein Coal Co. of West Virginia, Baltimore, Md....W. Va. mines 199
P. A. O. L. Ball, Shaw, W. Va.
19 Big Vein Mining Co., Terre Haute, Ind.....Ind. mines 43
P. A. W. T. Williams
Pittsburg Mining Co.....Ind. mines 50
Big Vein Pocahontas Coal Co., Baltimore, Md.....Va. mines 170
P. A. Address the Company
Black, A. J., Broad Top City, Pa.....Penn. mines 142
P. A. A. J. Black
Black Betsy Coal Mining Co., Black Betsy, W. Va.....W. Va. mines 208
P. A. F. L. Tyrel
Black Creek Coal Co., Nauvoo, Ala.....Ala. mines 10-11
P. A. T. S. Sharpe
10 Black Crow Coal Co., Birmingham, Ala.....Ala. mines 10
P. A. Address the Company
Yolande Coal & Coke Co.....Ala. mines 8
Black Diamond Coal Co., Auburn, Ill.....Ill. mines 34
P. A. Address the Company
Black Diamond Coal Co., The, Gallia, Ohio.....Ohio mines 90
P. A. W. R. Edwards
Black Diamond Coal Co., Knoxville, Tenn.....Tenn. mines 159
P. A. Address the Company
11 Black Diamond Coal Mining Co., Birmingham, Ala.....Ala. mines 10
P. A. C. S. Bissell
Commercial Coal Mining Co.....Ala. mines 10
Black Diamond Coal & Coke Co., The, Columbus, Ohio..Ohio mines 80
P. A. H. L. Gilbert
Black Diamond Mining Co., Drakesboro, Ky.....Ky. mines 62
P. A. T. A. Isaac
Black Fork Co., The, Black Fork, Ohio.....Ohio mines 99-100
P. A. Address the Company
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P. A. C. N. West
Black Raven Mining Co., Chattanooga, Tenn.....Ky. mines 53
P. A. W. M. Nixon

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Black Wolf Coal & Coke Co., Dearing, W. Va.....W. Va. mines 202
P. A. E. C. Berkeley

Blaine Coal Co., Pittsburgh, Pa.....Penn. mines 115
P. A. H. A. Andrews
Dunkirk Gas Coal Co.....Penn. mines 152
Pittsburgh-Westmoreland Coal Co.....Penn. mines 153-156

Blain Run Coal Co., Coalport, Pa.....Penn. mines 131
P. A. W. W. Helman

Blair Big Muddy Coal Co., Gus, Murphysboro, Ill.....Ill. mines 20-21
P. A. Gus Blair

Blair Bros. Coal Co., Tyrone, Pa.....Penn. mines 127
P. A. H. C. Blair

Blair Coal Co., Tuscaloosa, Ala.....Ala. mines 9
P. A. F. G. Blair

Blair Mining Co., The, A. G., Toledo, Ohio.....Ohio mines 92
P. A. Address the Company

Bliss Coal Co., The, Swan Creek, Mich.....Mich. mines 76
P. A. C. E. Linton

Blocton Cahaba Coal Co., Coleanor, Ala.....Ala. mines 3-4
P. A. W. E. Henley

Blue Creek Coal & Land Co., Charleston, W. Va.....W. Va. 194
P. A. S. G. Smith

Blue Gem Coal Co., Jellico, Tenn.....Tenn. mines 161
P. A. Address the Company

Blue Jay Lumber Co., Blue Jay, W. Va.....W. Va. mines 209
P. A. P. C. Lynch

Blue Mound Coal Co., Blue Mound, Ill.....Ill. mines 24
P. A. J. Arthur Brown

Blue Ridge Coal Co., Clarksburg, W. Va.....W. Va. mines 186
P. A. W. D. Wamsley

Blue Rock Coal Co., McConnellsville, O.....Ohio mines 101
P. A. E. J. Souders, Gaysport, O.

Blume Coal & Coke Co., Lookout, W. Va.....W. Va. mines 180
P. A. D. W. Boone

Blyth Coal Co., Clearfield, Pa.....Penn. mines 131
P. A. Address the Company

Blyth-Elder Coal Co., Pittsburgh, Pa.....Ohio mines 96
P. A. W. P. Elder

Bolivar Coal & Coke Co., Pittsburgh, Pa.....Penn. mines 155
P. A. Address the Company

Bon Air Coal & Iron Co., Nashville, Tenn.....Tenn. mines 167
P. A. C. Cooper

Bond Coal Co., Tacoma, Va.....Va. mines 172
P. A. Jas. Barrowman
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24 Boomer Coal & Coke Co., Cleveland, O.....W. Va. mines 185
P. A. T. F. Cadden
Massillon Coal Mining Co.....Ohio mines 105-106-110
Pittsburgh & Eastern Coal Co.....Penn. mines 151
Wheeling & Lake Erie Coal Mining Co.....Ohio mines 99

Booth-Bowen Coal & Coke Co., Freeman, W. Va.....W. Va. mines 197
P. A. J. A. Morgan

Borderland Coal Co., Roanoke, Va.....W. Va. mines 200
P. A. L. E. Armentrout

Borders Coal Co., Marissa, Ill.....Ill. mines 32
P. A. Address the Company

Bottom Creek Coal & Coke Co., Vivian, W. Va.....W. Va. mines 202
P. A. Address the Company

Bower Coal Co., Blossburg, Pa.....Penn. mines 150
P. A. Geo. H. Bower

Bowersville Coal Co., Punxsutawney, Pa.....Penn. mines 145
P. A. H. G. Bowers

Bowling Coal Co., H. B., Coalfield, Tenn.....Tenn. mines 165
P. A. C. S. Bowling

Bowman Coal Mining Co., Saltsburg, Pa.....Penn. mines 144
P. A. Address the Company

25 Boyd Bros. Coal Co., Tarentum, Pa.....Penn. mines 155
P. A. Geo. E. Boyd
Boyd Coal Co., Geo. E.....Penn. mines 155

Boyd Coal Co., Geo. E., (See No. 25).....Penn. mines 155

Boyd Coal & Coke Co., Sparta, Ill.....Ill. mines 31
P. A. W. R. Borders

Braceville Coal Co., Chicago, Ill.....Ill. mines 20
P. A. J. T. Crocker

26 Bradley Coal Co., F. X., Gallitzin, Pa.....Penn. mines 119
P. A. F. X. Bradley
Bradley & Reed.....Penn. mines 119

Bradley & Reed, (See No. 26).....Penn. mines 119

27 Braehead Coal Co., Atlanta, Ga.....Ala. mines 4
P. A. Jos. Richards
Campbell Coal Mining Co.....Ky. & Tenn. mines 67-159-160-161
Red Feather Coal Co.....Ala. mines 4

Branch Coal Co., Coal City, Ala.....Ala. mines 7
P. A. C. R. Fay

28 Branchland Coal Co., Branchland, W. Va.....W. Va. mines 194
P. A. E. L. Burwell
Guyan River Coal Co.....W. Va. mines 194
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Brazil Block Coal Co., Chicago, Ill.....Ill. mines 18-37-49
P. A. J. E. Ford

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P. A. Wm. Beal

Jacobs & Glazier, Huntingdon, Pa.....Penn. mines 140
P. A. R. W. Jacobs

Jamison Coal & Coke Co., Pittsburgh, Pa.....Penn. mines 155
P. A. Address the Company

Jed Coal & Coke Co., Philadelphia, Pa.....W. Va. mines 204
P. A. Wm. Leckie, Jed, W. Va.

Jefferson Coal Co., The, Cleveland, O.....Ohio mines 96
P. A. Address the Company

Morris Coal Co., The.....Ohio mines 91-102
Morris-Poston Coal Co., The.....Ohio mines 99

Jellico Coal Mining Co., Knoxville, Tenn.....Ky. mines 68
P. A. W. T. Lewis, Mountain Ash, Ky.

Jenkins Bros., Blossburg, Pa.....Penn. mines 150
P. A. Scott Jenkins

Jewell Coal Co., Kilgore, Ky. .....Ky. mines 57
P. A. Address the Company

Jewett, Biglow & Brooks Collieries Co.,
Twin Branch, W. Va. .....W. Va. mines 204
P. A. H. McCoy

Maher Coal & Coke Co.....W. Va. mines 204
Twin Branch Mining Co.....W. Va. mines.....206

John Henry Coal Co., Jasper, Ala.....Ala. mines 10
P. A. C. B. Slatnaker

Johnson-Allen Coal Co., Mt. Vernon, Ill. .....Ill. mines 30
P. A. A. N. Johnson

Johnson Coal Co., The, Bellaire, Ohio.....Ohio mines 86
P. A. J. T. Johnson

Johnson Coal Mining Co., E. R., (See No. 67).....W. Va. mines 195

Johnson Coal Co., W. R., Smithers, W. Va. .....W. Va. mines 182-185
P. A. Address the Company

Johnson City Coal Co., Chicago, Ill.....Ill. mines 38-40
P. A. P. H. Holland

Jones Bros., Alliance, Ohio.....Ohio mines 105
P. A. Address the Company

Jones Bros. Coal & Mining Co., Marissa, Ill.....Ill. mines 31-32
P. A. Wm. Jones

Jones Coal Co., The, New Straitsville, Ohio.....Ohio mines 104
P. A. J. E. Jones, Jr.

Jones & Adams Coal Co., Chicago, Ill.....Ill. mines 35
P. A. Gus Baker

Jones & Morgan, Jackson, Ohio.....Ohio mines 94-95
P. A. Moses Morgan

Josephine Furnace & Coke Co., Cleveland, Ohio.....Penn. mines 144
P. A. Address the Company

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Buckeye Coal & Coke Co., Freeman, W. Va.....W. Va. mines 197
P. A. J. C. Pack

Buckhannon River Coal Co., Uniontown, Pa.....W. Va. mines 212
P. A. I. W. Reckard

Buckhorn Coal Co., The, Buckhorn, Ohio.....Ohio mines 100
P. A. Address the Company

Buffalo Collieries Co., The, Chattaroy, W. Va.....W. Va. mines 200
P. A. T. C. Berger

33 Buffalo Creek Cumberland Coal Co., Philadelphia, Pa...W. Va. mines 186
P. A. Address the Company
Cumberland Basin Coal Co.....Md. mines 71
Highland Coal Mining Co.....Penn. mines 118
Irvona Coal & Coke Co.....Penn. mines 133
Plymouth Coal Mining Co.....Penn. mines 124

Buffalo & Susquehanna Coal & Coke Co., Buffalo, N. Y..Penn mines 115-129-145
P. A. B. D. Folwell

34 Bulah Coal Co., Ramey, Pa.....Penn. mines 132
P. A. Jas. H. Minds
Bulah Shaft Coal Co.....Penn. mines 129-132

Bulah Shaft Coal Co., (See No. 34).....*Penn. mines* 129-132

Bulger Block Coal Co., Pittsburgh, Pa.....Penn. mines 152
P. A. D. J. Kennedy

Burk Hollow Coal Co., The, Jellico, Tenn.....Ky. mines 67
P. A. Address the Company

Burns, M., Brisbin, Pa.....Penn. mines 132
P. A. M. Burns

Burnwell Coal Co., Chicago, Ill.....Ill. mines 27-28
P. A. J. E. Ford

Burnwell Coal & Coke Co., Pottsville, Pa.....W. Va. mines 64-200
P. A. S. A. Beddall, Sprigg, W. Va.

Burney Coal Co., The, Colchester, Ill.....Ill. mines 28
P. A. H. W. Smith

Butler Coal & Coke Co., Butler, Pa.....Penn. mines 119
P. A. Address the Company

Butts Cannel Coal Co., Cleveland, O.....Penn. mines 119
P. A. I. C. Goff

35 Byesville Coal Co., The, Cambridge, O.....Ohio mines 91
P. A. Address the Company
Coal Run Coal Co., The.....Ohio mines 103

Byrne & Co., Jas., New Salem, Pa.....Penn. mines 137
P. A. Address the Company

36 Byron Domestic Coal Co., Clarksburg, W. Va.....W. Va. mines 186
P. A. H. H. Staggers
Gilmer Fuel Co.....W. Va. mines 186
New Grant Coal Co.....W. Va. mines 202

Cabin Creek Consolidated Coal Co., Kayford, W. Va..W. Va. mines 189
P. A. Ira F. Davis

Cahaba Coal Co., Birmingham, Ala.....Ala. mines 8-10
P. A. J. W. Miller

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Cahaba Southern Coal Mining Co., Birmingham, Ala....Ala. mines 3-4
P. A. H. R. Sanson, Hargrove, Ala.

Cahill Coal Co., Peru, Ill.....Ill. mines 22
P. A. Address the Company

Caledonia Coal Co., Ltd., Saginaw, W. S., Michigan....Mich. mines 76
P. A. L. Domenberg

Caledonia Mining Co., New Albany, Ind.....Ind. mines 51
P. A. E. J. Hackett

Calora Coal Co., Indianapolis, Ind.....Ind. mines 44
P. A. C. H. Jones

7 Cambria Mining Co., The, Toledo, Ohio.....Ohio mines 86
P. A. T. B. Earl
Tropic Mining Co.....Ohio mines 102

Cambridge Collieries Co., The, Cleveland, O.....Ohio mines 91
P. A. F. J. Butler

Campbell Coal Mining Co., (See No. 27).....Ky. & Tenn. mines 67-159-160-161

Canaan Coal Co., The, Canaanville, Ohio.....Ohio mines 79
P. A. Lewis V. Brown

Caney Creek Coal & Coke Co., Mahanoy City, Pa.....Ky. mines 53
P. A. Louis Francis, Davisburg, Ky.

8 Cann Coal Co., Stoneboro, Pa.....Penn. mines 147
P. A. Robt. P. Cann
Jackson Mining Co.....Penn. mines 147
Mercer Iron & Coal Co.....Penn. mines 147

Cannelton Coal Co., Cannelton, W. Va.....W. Va. mines 193
P. A. Frank O. Harris

Canton Coal Co., Canton, Ill.....Ill. mines 19
P. A. S. A. Drake

Cantrall Co-Operative Coal Co., Cantrall, Ill.....Ill. mines 34
P. A. Address the Company

Carbon Coal Co., The, Sand Run, Ohio.....Ohio mines 93
P. A. B. F. Sheren, Carbon Hill, O.

Carbon Coal Co., Carbon, W. Va.....W. Va. mines 189
P. A. K. D. Quarrier

Carbon Coal & Coke Co., The, Boston, Mass.....Penn. mines 118
P. A. W. W. E. Shannon, Langdondale, Pa.

Carbon Coal Mining Co., Amesville, Ohio.....Ohio mines 80
P. A. P. J. Smith

Carbondale Coal Co., The, Chillicothe, Ohio.....Ohio mines 79
P. A. M. H. Doolittle, Carbondale, Ohio

Carbondale Coal & Coke Co., Dawson Springs, Ky.....Ky. mines 58
P. A. W. G. Wright

Carbon Hill Mining Co., Carbon Hill, Ohio.....Ohio mines 93
P. A. H. Lowes

Carbon Hill & Lost Creek Coal & Coke Co., Carbon Hill,
Ala. .....Ala. mines 10
P. A. E. Bynon

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P. A. M. H. Meyer
Card & Prosser Coal Co., Cleveland, Ohio.....Ohio mines 89
P. A. M. J. Gallagher
Cardiff Coal Co., Chicago, Ill.....Ill. mines 22-23
P. A. H. E. Stuart
39 Carding Coal Co., The, Columbus, Ohio.....Ohio mines 101
P. A. John H. Ross
Union Coal Mining Co., The.....Ohio mines 103
Careyville Coal Co., Careyville, Tenn.....Tenn. mines 161
P. A. J. A. McManaman
Carlinville Coal Co., The, Carlinville, Ill.....Ill. mines 24
P. A. W. G. Bartels
Carlisle Coal & Clay Co., Carlisle, Ind.....Ind. mines 47
P. A. W. F. Dodge
40 Carnegie Coal Co., Pittsburgh, Pa.....Penn. mines 114-152
P. A. J. H. Sanford
Sanford Coal Co., J. H.....Penn. mines 151
Carrick-Gray Coal Mining Co., Summerville, Pa.....Penn. mines 146
P. A. Address the Company
Carroll & Storm Coal Co., The, Cleveland, Ohio.....Ohio mines 88
P. A. Address the Company
Carter Coal Co., Scotford, W. Va.....W. Va. mines 180
P. A. H. H. Sizemore
Carterville Coal Co., St. Louis, Mo.....Ill. mines 39
P. A. H. B. Burr
Carterville District Coal Co., Marion, Ill.....Ill. mines 38-39
P. A. Geo. B. Calhoun
Carterville & Big Muddy Coal Co., Carterville, Ill.....Ill. mines 39
P. A. M. Levy
41 Carterville & Herrin Coal Co., The, Herrin, Ill.....Ill. mines 39
P. A. John Alexander
Chicago-Herrin Coal Co.....Ill. mines 39
Carver Brothers Co., The, Eagle, W. Va.....W. Va. mines 181
P. A. Enoch Carver, Jr.
Cascade Coal & Coke Co., Buffalo, N. Y.....Penn. mines 129-132-145
P. A. H. M. Van Horn
Catawba Coal Co., Connellsville, Pa.....W. Va. mines 195
P. A. J. M. Herpick
Central Coal Co., Birmingham, Ala.....Ala. mines 6
P. A. Address the Company
Central Coal Co., The, Cary, Ky.....Ky. mines 53
P. A. R. E. Lawson
42 Central Coal & Iron Co., Inc., Central City, Ky.....Ky. mines 61-63
P. A. S. F. Howey
McHenry Coal Co., Inc.....Ky. mines 63
Central Fairmount Coal Co., Clarksburg, W. Va.....W. Va. mines 186
P. A. D. Howard

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P. A. J. E. Muren

Central Iron & Coal Co., Holt, Ala.....Ala. mines 9
P. A. J. L. Brierton

Central Pocahontas Coal Co., Gary, W. Va.....W. Va. mines 203
P. A. L. E. Woods

Centre Coal & Coke Co., Osceola Mills, Pa.....Penn. mines 127
P. A. A. S. Brown
Moshannon Coal Mining Co.....Penn. mines 127-131-134

Century Coal Co., Tower Hill, Ill.....Ill. mines 36
P. A. John W. Siddell

Century Coal Co. of West Virginia, The, Baltimore, Md..W. Va. mines 177
P. A. Address the Company

Century Coke Co., Brownsville, Pa.....Penn. mines 137
P. A. Address the Company

Cephus Coal Co., Bluefield, W. Va.....W. Va. mines 198
P. A. P. J. Vigliani, Godfrey, W. Va.

Champion Coal Co., Pekin, Ill.....Ill. mines 36
P. A. A. L. Champion

Champion Connellsville Coke Co., Brownsville, Pa.....Penn. mines 137
P. A. Address the Company

Chandler Coal Co., Evansville, Ind.....Ind. mines 51
P. A. J. A. Bryan

Chapman Coal Co., The, Jackson, Ohio.....Ohio mines 95
P. A. C. J. Benton

Chapman Coal Mining Co., Baltimore, Md.....Md. mines 71
P. A. G. W. Chapman

Chapman Mining Co., The, Moxahala, Ohio.....Ohio mines 104
P. A. S. L. Quinn

Charlton Jellico Coal Co., Grays, Ky.....Ky. mines 59
P. A. Address the Company
Gray Coal Co. .....Ky. mines 59

Chattaroy Colliery Co., Chattaroy, W. Va.....W. Va. mines 200
P. A. C. E. Tabor

Cheat Haven Coal & Coke Co., Cheat Haven, Pa.....Penn. mines 136
P. A. F. K. Fawcett

Chesapeake Mining Co., Handley, W. Va.....W. Va. mines 189
P. A. J. W. More

Chicago-Herrin Coal Co. (See No. 41).....Ill. mines 39

Chicago-Springfield Coal Co., Springfield, Ill.....Ill. mines 34
P. A. H. H. Devereux

Chicago, Wilmington & Vermilion Coal Co., Chicago, Ill..Ill. mines 20-21-22-33-34
P. A. Walter Farmer

Chicago & Big Muddy Coal & Coke Co., Chicago, Ill....Ill. mines 38-39
P. A. Address the Company

Chicago & Carterville Coal Co., Herrin, Ill.....Ill. mines 37-39
P. A. J. G. Peters

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45 Christian County Coal Co., Taylorville, Ill.....Ill. mines 16-17
P. A. Address the Company
Stonington Coal Co. .....Ill. mines 17
Cirrus Coal & Coke Co., Frostburg, Md.....W. Va. mines 203
P. A. J. S. Brophy
Citizens Coal Co., Johnstown, Pa.....Penn. mines 120-122
P. A. J. K. Bole
Citizens Coal Mining Co., The, Springfield, Ill.....Ill. mines 34
P. A. Joseph Hann
Citizens Coal Mining Co., Lincoln, Ill.....Ill. mines 23
P. A. Address the Company
46 Clarion Coal Mining Co., Philipsburg, Pa.....Penn. mines 127
P. A. H. B. Scott
Indiana Coal Co. .....Penn. mines 142-144
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P. A. S. W. Cecil

84 Glen Ayr Coal Co., Terre Haute, Ind.....Ind. mines 50
P. A. W. J. Freeman

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Harper Coal Co., The, Coalton, Ohio.....Ohio mines 94-95
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91 Highland Coal Co., Wheeling, W. Va.....Ohio mines 84
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93 Hitchins Coal Co., The H. & W. A., Frostburg, Md.....Md. mines 72
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Kessler Coal Co., The, Wellston, Ohio.....Ohio mines 95
P. A. J. E. Kessler

Kettle Creek Coal Mining Co., Bitumen, Pa.....Penn. mines 135
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Kewanee Coal & Mining Co., Kewanee, Ill.....Ill. mines 20
P. A. John Fischer

Keystone Big Muddy Coal & Coke Co., Marion, Ill.....Ill. mines 38-39
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P. A. Address the Company

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P. A. H. B. Salkeld

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Kramer Bros. Coal Co., New Straitsville, Ohio.....Ohio mines 93-102
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Lake Shore Gas Coal Co., Sutersville, Pa. .....Penn. mines 115-154
P. A. C. H. Wisser

Lam Coal Co., Bevier, Ky.....Ky. mines 62
P. A. H. Summer

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Lane, F. A., Lane's Mills, Pa.....Penn. mines 145
P. A. F. A. Lane

Langdon, John, Huntingdon, Pa.....Penn. mines 118
P. A. C. L. Langdon, Hopewell, Pa.

La Salle County Carbon Coal Co., La Salle, Ill.....Ill. mines 21-22
P. A. Address the Company

Latham Coal Co., Lincoln, Ill.....Ill. mines 23
P. A. M. Coogan

Laura Mining Co., Glen Jean, W. Va.....W. Va. mines 182
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Laurel Creek Coal Co., Laurel Creek, W. Va. .....W. Va. mines 182
P. A. J. W. Lawton

Lawler & Son, Columbus, Ohio.....Ohio mines 109
P. A. Address the Company

Layne, M. H., Newcomb, Tenn.....Tenn. mines 161
P. A. M. H. Layne

Leahey Coal Mining Co., (See No. 14).....Penn. mines 123

Lee, Thos. J., Philipsburg, Pa.....Penn. mines 126-130
P. A. T. J. Lee

Lee Coal Co., The, Clearfield, Ky.....Ky. mines 61
P. A. Guy Snyder

104 Leesburg Coal Co., The, Struthers, Ohio.....Penn. mines 147
P. A. J. A. Gealy
Pennsylvania Fuel Co.....Penn. mines 147

Left Fork Coal Co., Cary, Ky.....Ky. mines 54
P. A. A. F. Whitefish

Lehigh Coal Co., Lehigh, Ala.....Ala. mines 5
P. A. Address the Company

Lemoyne, John V., Melvale, Md.....Tenn. mines 166
P. A. J. V. Lemoyne

Ligonier Diamond Coal & Coke Co., Ligonier, Pa.....Penn. mines 154
P. A. John Seger

Lilly Coal Co., Altoona, Pa.....Penn. mines 123
P. A. Wm. Hahman

Lily Jellico Coal Co., Lily, Ky.....Ky. mines 60
P. A. D. W. Jones

Lincoln Coal Co., New York, N. Y.....Penn. mines 123
P. A. W. S. Ainsworth

Lincoln Coal & Coke Co., Scottdale, Pa.....Penn. mines 139
P. A. E. L. Stoner

Lincoln Coal Mining Co., The, Delroy, Ohio.....Ohio mines 88
P. A. Address the Company

Lincoln Mining Co., Lincoln, Ill.....Ill. mines 23
P. A. E. G. White

Lingohocken Coal Co., Falls Mills, Va.....W. Va. mines 200
P. A. Address the Company

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Phoenix Jellico Coal Co., Cincinnati, Ohio.....Ky. mines 60
P. A. E. O. Norman, East Bernstadt, Ky.

Phoenix & George's Creek Mining Co., (See No. 5)....Md. mines 72

Piedmont Mining Co., (See No. 61).....Md. mines 72

Piedmont & George's Creek Coal Co., The (See No. 93).Md. mines 72

Piedmont & Potomac Coal Co., (See No. 113).....W. Va. mines 198

Piel Mining Co., John D., Birmingham, Ala.....Ala. mines 11
P. A. J. D. Piel, Pocahontas, Ala.

Pike Consolidated Coal Co., Boston, Mass.....Ky. mines 64
P. A. Address the Company

Pine Hill Coal Co., Rose Bud, Pa.....Penn. mines 134
P. A. Address the Company

Pine Knot Coal Co., (See No. 11).....Tenn. mines 166

Piney Mining Co., Charleston, W. Va.....W. Va. mines 209
P. A. Address the Company

Pioneer Coal Co., Clearfield, Pa.....Penn mines 142
P. A. R. A. Shilingford

Piper & Co., W. H., Philadelphia, Pa.....Penn. mines 124
P. A. Jos. Appleyard, Lilly, Pa.

Pitcairn Coal Co., Clarksburg, W. Va.....W. Va. mines 188
P. A. J. A. Jenkins

Pittsburg Block Coal Co., Pittsburgh, Pa.....Ohio mines 92
P. A. Address the Company

Pittsburg Coal Co., Baskett, Ky.....Ky. mines 57
P. A. Alexander Blair

Pittsburg Coal Co., Pittsburgh, Ky.....Ky. mines 60
P. A. R. M. Jackson, London, Ky.

3 Pittsburg Mining Co., Belleville, Ill.....Ill. mines 32
P. A. Louis Michaelis
Superior Coal & Mining Co.....Ill. mines 32

Pittsburgh Mining Co., (See No. 19).....Ind. mines 50

Pittsburgh Mining Co., The, Minersville, Ohio.....Ohio mines 101
P. A. W. W. Miller

Pittsburgh Plate Glass Co., Pittsburgh, Pa.....Penn. mines 114-117-151
P. A. Address the Company

Pittsburg Steam Coal Co., Fairmont, W. Va.....W. Va. mines 196
P. A. J. R. Bailey

Pittsburgh Terminal Railroad & Coal Co., Pittsburgh, Pa.Penn. mines .....
P. A. H. W. Nethken

Pittsburgh-Belmont Coal Co., Columbus, Ohio.....Ohio mines 84-86
P. A. Superintendents at mines

Pittsburgh-Westmoreland Coal Co., (See No. 22).....Penn. mines 153-156

Pittsburg & Cleveland Coal Co., The, Cleveland, Ohio..Ohio mines 86
P. A. W. D. Sauters

Pittsburg & Eastern Coal Co., (See No. 24).....Penn. mines 151

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P. A. H. M. Crawford
Luhrig Coal Co., The, Cincinnati, Ohio.....Ohio mines 79
P. A. Geo. Schott
Luke & Drummond Coal Co., Inc., Logmont, Ky.....Ky. mines 54-55
P. A. Hugh Drummond
Lumaghi Coal Co., St. Louis, Mo.....Ill. mines 25
P. A. Address the Company
Luton Coal Co., Providence, Ky.....Ky. mines 66
P. A. Address the Company
Lynchburg Coal & Coke Co., Kyle, W. Va.....W. Va. mines 204
P. A. Address the Company
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P. A. P. C. Lynch
Mable Mining Co., Warrior, Ala.....Ala. mines 6
P. A. G. D. Etter, Jr.
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P. A. W. R. Wilburn, Wilsonburg, W. Va.
Madeira-Hill Coal Mining Co., Clearfield, Pa.....Penn. mines 124-133
P. A. F. G. Betts
Magee Coke Co., (See No. 31).....*Penn. mines* 155
Magnolia Coal Co., (See No. 29).....*Ohio mines* 88
Mahan Jellico Coal Co., Packard, Ky.....Ky. mines 68
P. A. Address the Company.
108 Maher Coal & Coke Co., Blairsville, Pa.....Penn. mines 117
P. A. Thos. Maher
Ray Coal Co.....Penn. mines 144
Maher Coal & Coke Co., (See No. 99).....*W. Va. mines* 204
Mahoning & Lake Erie Coal Co., Cleveland, Ohio.....Ohio mines 100
P. A. Alfred L. Brown
Main Jellico Mountain Coal Co., Central City, Ky.....Ky. mines 68
P. A. J. H. Barker, Kensee, Ky.
Maines Coal Co., Butler, Pa.....Penn. mines 119
P. A. W. A. Maines
Majestic Coal & Coke Co., (See No. 69).....*Ill. mines* 30
Majestic Coke Co., Uniontown, Pa.....Penn. mines 156
P. A. Address the Company.
Majestic Collieries Co., Majestic, Ky..... Ky. mines 64
P. A. A. B. Rawn
Mandaback Coal Co., Washington, Ind.....Ind. mines 44
P. A. Address the Company.

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P. A. Address the Company
Penn Gas Coal Co. ..... Penn. mines 156
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Manufacturers' & Consumers' Coal Co., Decatur, Ill. ..... Ill. mines 23-24
P. A. S. A. Tuttle

Manufacturers' & Consumers' Coal Co., Fayette, W. Va. .. W. Va. mines 183
P. A. P. H. Henry

Maple Glen Coal & Coke Works, Fredericktown, Pa. ..... Penn. mines 151
P. A. Address the Company

Maple Mining Co., The, (See No. 83) ..... *Ohio mines* 79

Mapleton Coal Co., Inc., Mapleton, Ill. ..... Ill. mines 30
P. A. Address the Company

Margaret Mining Co., Welch, W. Va. ..... W. Va. mines 200
P. A. T. A. Shewey, War Eagle, W. Va.

Marietta-Ganier Coal & Coke Co., Connellsville, Pa. ..... Penn. mines 140
P. A. Address the Company

Markley, Geo. J., Mineral City, Ohio ..... Ohio mines 107
P. A. G. J. Markley

Marquet Coal Co., (See No. 89) ..... *W. Va. mines* 186

Marquette Third Vein Coal Co., (See No. 82a) ..... *Ill. mines* 15

Marrowbone Coal & Coke Co., Lookout, Ky. ..... Ky. mines 64
P. A. Address the Company

09 Marrs Branch Coal Co., Fayette, W. Va. ..... W. Va. mines 183
P. A. J. D. Boone
Michigan Coal Co. ..... W. Va. mines 183
New River Valley Coal Co. ..... W. Va. mines 184

Marvin Coal Co., Matewan, W. Va. ..... W. Va. mines 200
P. A. J. A. Williams

10 Maryland Coal Co., New York, N. Y. ..... Md. and W. Va. mines. 73-211
P. A. F. E. Brackett, Cumberland, Md.
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Maryland Coal Co. of Pennsylvania, (See No. 110) ..... *Penn. mines* 124

Massillon City Coal Co., Massillon, Ohio ..... Ohio mines 106
P. A. J. C. Haring

Massillon Coal Mining Co., The, (See No. 24) ..... *Ohio mines* 105-106-110

Massillon Crystal Coal Co., The, Massillon, Ohio ..... Ohio mines 105-106
P. A. W. L. Davis

11 Massillon Elm Run Coal Co., Cleveland, Ohio ..... Ohio mines 106-109-110
P. A. W. D. Somers
Roby Coal Co., The ..... Ohio mines 92-99
Roby-Somers Coal Co., The ..... Ohio mines 86
Somers Mining Co., The ..... Ohio mines 88

Massillon Tuscarawas Coal Co., The, Massillon, Ohio .... Ohio mines 109
P. A. R. W. Johns

Masteller Coal Co., Keyser, W. Va. ..... W. Va. mines 199
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P. A. H. H. Heiner
M-B Coal & Coke Co., Kimberly, W. Va.....W. Va. mines 183
P. A. C. C. Sharp
'12 Meadow Fork Coal Co., Newlyn, W. Va.....W. Va. mines 183
P. A. J. H. Boyd
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P. A. J. S. Boggs
Mecca Coal Co., The, Mecca, Ind.....Ind. mines 45
P. A. Address the Company
Mecca Coal & Coke Co., Montgomery, W. Va.....W. Va. mines 183
P. A. Address the Company
Mechanicsburg Coal Co., Mechanicsburg, Ill.....Ill. mines 35
P. A. T. B. Enochs
Meek Coal Co., Paintsville, Ky.....Ky. mines 59
P. A. J. N. Meek, Meek, Ky.
Memphis Mining Co., Charleston, W. Va.....Ky. mines 63
P. A. Address the Company
Menden Coal Co., The C. H., Evansville, Ind.....Ind. mines 50-51
P. A. C. H. Menden
Mercer Iron & Coal Co., (See No. 38).....*Penn. mines* 147
Meriden Coal Mining Co., Philadelphia, Pa.....W. Va. mines 177
P. A. Address the Company
Merrill & Co., W. A., (See No. 74).....*Penn. mines* 149
Meyersdale Fuel Co., Meyersdale, Pa.....Penn. mines 149
P. A. Address the Company
Meyersdale Smokeless Coal Co., (See No. 2).....*Penn. mines* 149
Miami Coal Co., Chicago, Ill.....Ind. mines 43
P. A. J. M. Kinnally
Michigan Coal Co., Bay City, Mich.....Mich. mines 75
P. A. Address the Company
Michigan Coal Co., (See No. 109).....*W. Va. mines* 183
Middle Creek Coal Co., The, Prestonburg, Ky.....Ky. mines 57
P. A. H. S. Estill
Middle States Coal & Coke Co., The, (See No. 75).....*W. Va. mines* 204
Middletown Coal Co., Middletown, Ill.....Ill. mines 27
P. A. Frank A. Maple
Midland Coal & Coke Co., Scottdale, Pa.....W. Va. mines 177
P. A. Address the Company
'13 Midland Mining Co., Cumberland, Md.....Md. mines 72
P. A. W. A. Somerville
Moscow & George's Creek Mining Co.....Md. mines 72
Piedmont & Potomac Coal Co.....W. Va. mines 198

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4 Midvale Goshen Coal Co., The, Cleveland, Ohio.....Ohio mines 107
P. A. Geo. Gordon
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Milburn Coal & Coke Co., Pittsburgh, Pa.....W. Va. mines 183
P. A. Address the Company
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P. A. J. B. Miller
5 Miller Coal Co., Philadelphia, Pa.....Penn. mines 124
P. A. C. B. Maxwell, Morrisdale Mines, Pa.
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Miller Coal & Coke Co., Junior, W. Va.....W. Va. mines 177
P. A. Address the Company
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P. A. Address the Company
Milner Coal & Railroad Co., Anniston, Ala.....Ala. mines 6
P. A. C. A. Carpenter
116 Milson Coal Co., Osceola Mills, Pa.....Penn. mines 121
P. A. C. H. Milsom
Milsom Coal Co., C. H.....Penn. mines 127
Milsom Coal Co., C. H., (See No. 116).....*Penn. mines* 127
Mina Coal Co., Columbus, Ohio.....W. Va. mines 204
P. A. Address the Company
Minglewood Massillon Coal Co., (See No. 89).....*Ohio mines* 106
Mingo Block Coal Co., The, Morgantown, W. Va.....W. Va. mines 200
P. A. H. M. Payne
Mitchell-Watson Coal & Coke Co., Saltsburg, Pa.....Penn. mines 144
P. A. J. P. Watson
Mizener Coal Co., Erie, Pa.....Penn. mines 120
P. A. M. P. Mizener
Mohawk Coal Co., New York, N. Y.....Penn. mines 133
P. A. Address the Company
Mohawk Coal & Coke Co., Powhatan, W. Va.....W. Va. mines 204
P. A. Address the Company
Mohr-Minton Coal Co., The, Columbus, Ohio.....Ohio mines 109
P. A. Address the Company
Monarch Coal Co., East Brady, Pa.....Penn. mines 128
P. A. C. P. McCafferty
Monarch Coal Co., The, Cincinnati, Ohio.....Va. mines 169
P. A. J. H. Duff
Monarch Coal & Coke Co., Middlesborough, Ky.....Ky. mines 54
P. A. W. M. Costello
Monitor Coal Co., Wellston, Ohio.....Ohio mines 95
P. A. Address the Company
Monitor Coal & Coke Co., The, Logan, W. Va.....W. Va. mines 195
P. A. J. E. Barlow

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P. A. T. M. Jones
Monmouth Coal Co., Brereton, Ill.....Ill. mines 19
P. A. W. J. Spencer
Monroe Coal Mining Co., Barnum, W. Va.....Md. mines 73
P. A. Address the Company
Monroe Colliery Co., Clarksburg, W. Va.....W. Va. mines 188
P. A. B. H. Monroe, Rose Bud, W. Va.
Montevallo Mining Co., Aldrich, Ala.....Ala. mines 8
P. A. P. B. Thomas
Montevallo-Shelby Coal Co., Straven, Ala.....Ala. mines 8
P. A. Address the Company
Montgomery County Coal Co., Chicago, Ill.....Ill. mines 28
P. A. J. C. Blythe, St. Louis, Mo.
Montlake Coal Co., Chattanooga, Tenn.....Tenn. mines 164
P. A. W. W. Barnes
Moody Coal Co., South Carrollton, Ky.....Ky. mines 62
P. A. Address the Company
Moore Mines, Mary, Middlesboro, Ky.....Ky. mines 55
P. A. P. T. Colgan
Morgan, A. J., Bellaire, Ohio.....Ohio mines 86
P. A. A. J. Morgan
Morgan Coal, Coke & Mining Co., The R., Mercer, Ky..Ky. mines 62
P. A. Address the Company
117 Morgan Run Coal & Mining Co., The, Cleveland, Ohio..Ohio mines 90
P. A. Address the Company
Wade Coal Co., The.....Ohio mines 90
Morgan & Horton, Eifort, Ohio.....Ohio mines 105
P. A. W. H. Horton
Morganfield Coal & Mining Co., Morganfield, Ky.....Ky. mines 65
P. A. W. H. Lloyd
Morgantown Coal & Mining Co., Morganton, Ky.....Ky. mines 56
P. A. Address the Company
118 Morrellville Coal Mining Co., Philadelphia, Pa.....Penn. mines 124
P. A. Address the Company
South Fork Coal Mining Co.....Penn. mines 125
West Penn Coal Mining Co.....Penn. mines 117
Morris Coal Co., The, (See No. 98).....Ohio mines 91-102
Morris Creek Colliery Co., Standard, W. Va.....W. Va. mines 190
P. A. W. S. Wood ,
Morris-Poston Coal Co., The (See No. 98).....Ohio mines 99
Morris Run Coal Mining Co., Wilkes Barre, Pa.....Penn. mines 150-151
P. A. Address the Company
Morrisdale Coal Co., The (See No. 115).....Penn. mines 133
Moscow-Georges Creek Mining Co., (See No. 113).....Md. mines 72
Mosely & Walker, Cliff Top, W. Va.....W. Va. mines 183
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Mound Coal Co., (See No. 91).....*W. Va. mines* 197
Mountain Valley Coal & Coke Co., (See No. 63).....*Ala mines* 12
Mount Carbon Co., Ltd., The, Powellton, W. Va.....W. Va. mines 183
P. A. D. T. Evans
Mount Hope Coal & Coke Co., Mount Hope, W. Va....W. Va. mines 183
P. A. Address the Company
Mount Olive & Staunton Coal Co., (See No. 72).....*Ill. mines* 25
Mount Pulaski Colliery Co., The, Mt. Pulaski, Ill.....Ill. mines 23
P. A. W. J. Walsh
Mountz & Co., S. J., Morann, Pa.....Penn. mines 134
P. A. S. J. Mountz
Mowequa Coal Mining & Mfg. Co., Mowequa, Ill.....Ill. mines 36
P. A. Chas. Ahl
Muddy Valley Mining & Mfg. Co., Cairo, Ill.....Ill. mines 20
P. A. Jas. Forester, Hallidayboro, Ill.
Mull, R. H., Philipsburg, Pa. .....Penn. mines 134
P. A. R. H. Mull
Mullins Coal Co., The Jas., (See No. 77).....*Ohio mines* 109
Murphy, Linskey & Kasher Coal Co., Braidwood, Ill....Ill. mines 37
P. A. P. J. Linskey
Muskingum Coal & Railroad Co., Zanesville, Ohio.....Ohio mines 102
P. A. Address the Company
19 Mutual Coal Mining Co., Grove City, Pa.....Penn. mines 120
P. A. Harry Hamilton
Standard Coal Mining Co.....Penn. mines 120
Mutual Mining Co., The, Cannelburg, Ind.....Ind. mines 44
P. A. Martin Cahill
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McClane Coal Co., Bridgeville, Pa.....Penn. mines 114
P. A. M. W. McClane
McDonald, S. S., Columbus, Ohio.....Ohio mines 96
P. A. S. S. McDonald
McDonald Coal Co., McDonald, Pa.....Penn. mines 114
P. A. Address the Company
McDowell Coal & Coke Co., McDowell, W. Va.....W. Va. mines 204
P. A. H. W. Rawson
McFetridge Bros., Creighton, Pa.....Penn. mines 113
P. A. G. H. McFetridge
McGarvey Coal Co., The J. A., Cannelville, Ohio.....Ohio mines 102
P. A. J. A. McGarvey
McGraw Coal Co., (See No. 93).....*W. Va. mines* 211
McHenry Coal Co., Inc., (See No. 42).....*Ky. mines* 63
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McKeefrey Coal Co., (See No. 8).....*Penn. mines* 138

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McKinley Coal Co., Salem, Ohio.....Ohio mines 100
P. A. W. H. Dunn

McLean County Coal Co., Bloomington, Ill.....Ill. mines 28-29
P. A. L. M. Graham

McLeavy & Co., John, Punxsutawney, Pa.....Penn. mines 145
P. A. Jas. C. McLeavy

Nailen Coal Co., James, Delmar, Ala.....Ala. mines 12
P. A. Address the Company

National Coal Co., The, Cleveland, Ohio.....Ohio mines 91-92
P. A. Address the Company

National Coal Co., Baltimore, Md.....W. Va. mines 188
P. A. E. J. Fahey, Grafton, W. Va.

National Coal Mining Co., The, Middle Grove, Ill.....Ill. mines 19
P. A. D. J. Kyle

National Mining Co., Pittsburgh, Pa.....Penn. mines 114
P. A. T. S. Duncan

Nebo Consolidated Coal & Coking Co., Louisville, Ky...Ky. mines 58
P. A. Address the Company

Negley Coal Co., The, Negley, Ohio.....Ohio mines 89
P. A. P. H. Murphy

Nellie Coal Co., Buffalo, N. Y.....Penn. mines 120
P. A. C. B. McFarlin, Hilliard, Pa.

Nelson Creek Coal Co., Inc., Nelson, Ky.....Ky. mines 61
P. A. J. W. Bastin

New Alexandria Coke Co., Greensburg, Pa.....Penn. mines 156
P. A. Address the Company

New Bell Jellico Coal Co., Bell-Jellico, Ky.....Ky. mines 55
P. A. Address the Company

New Central Coal Co., New York, N. Y.....Md. and W. Va. mines 73-196
P. A. Duncan Sinclair, Fairmont, W. Va.

Newcomer Coal Co., Scottdale, Pa.....W. Va. mines 212
P. A. Address the Company

Newcomer Coke Co., (See No. 31).....Penn. mines 139

New England Coal Co., The, (See No. 94).....Ohio mines 103

New Grant Coal Co., (See No. 36).....W. Va. mines 202

New Haven Coal Mining Co., The, Owosso, Mich.....Mich. mines 76
P. A. F. J. Harrington

New Jellico Coal Co., Clairfield, Tenn.....Tenn. mines 162-163
P. A. Joe Vasey

New Laurel Coal Co., Pittsburg, Ky.....Ky. mines 60
P. A. Address the Company

Newlyn Coal Co., (See No. 112).....W. Va. mines 184

New Perry Coal Co., The, Somerset, Ohio.....Ohio mines 104
P. A. J C Williams

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P. A. H R. Beeson

New River Valley Coal Co., (See No. 109).....*W. Va. mines* 184

New Soddy Coal Co., (See No. 81).....*Tenn. mines* 164

New Staunton Coal Co., The, St. Louis, Mo.....Ill mines 25
P. A. Address the Company

Newton Coal & Mining Co., The, Dennison, Ohio.....Ohio mines 92
P. A. C. G. Newton

New York Coal Co., Columbus, Ohio.....Ohio mines 80-93
P. A. Address the Company

New York & Cleveland Gas Coal Co., The, Pittsburgh, Pa. .....Penn. mines 113-114-156
P. A. Address the Company

Nichol Colliery Co., Glen Jean, W. Va.....W. Va. mines 184
P. A. Address the Company

Nicholson Coal Mining Co., Nicholson, Tenn.....Tenn. mines 162-163
P. A. A. C. Carr

Nilwood Coal Co., Nilwood, Ill.....Ill. mines 24
P. A. F. W. Cooper

Nineveh Coal & Coke Co., (See No. 1).....*Penn. mines* 156

Noble Summit Coal Co., Middleport, Ohio.....Ohio mines 101
P. A. Address the Company

Norris Coal Mining Co., (See No. 82a).....*Ill. mines* 19

North-East Coal Co., Wilkesbarre, Pa.....Ky mines 59
P. A. Henry LaViers, Paintsville, Ky.

Northern Connellsville Coke Co., Connellsville, Pa.....Penn. mines 156
P. A. Samuel Cummings

Northern Fuel Co., (See No. 94).....*Ohio mines* 82

North Fork Cannel Coal Co., Loveland, Ky.....Ky. mines 61
P. A. H. M. Collins

20 North Jellico Coal Co., Inc., The, Louisville, Ky..... ..Ky. mines 60
P. A. Address the Company
Taylor Coal Co., of Kentucky, Inc.....Ky. mines 63
Williams Coal Co., Inc.....Ky. mines 63

North Point Jellico Coal Co., Gray, Ky.....Ky. mines 60
P. A. S. M. Gray

Northwestern Mining & Exchange Co., New York, N. Y. Penn. mines 129-135-145
P. A. W. R. Collins

Norton Coal Co., (See No. 80).....*Va. mines* 172

Nortonville Coal Co., Nortonville, Ky.....Ky. mines 58
P. A. W. T. Rutland

Novelty Brick & Coal Co., The, Newcomerstown, Ohio..Ohio mines 107
P. A. Address the Company

Nungesser Coal Co., Beidler, Ohio.....Ohio mines 107
P. A. C. J. Nungesser

Nunley Ridge Coal Co., Tracy City, Tenn.....Tenn. mines 164
P. A. Address the Company

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P. A. C. B. Kirkpatrick
Oakes Bros., Volant, Pa.....Penn. mines 147
P. A. Address the Company
Oak Forest Coal Co., Point Pleasant, W. Va.....W. Va. mines 208
P. A. E. E. Thomas
Oak Hill Coal & Mining Co., Clinton, Ind.....Ind. mines 49
P. A. Address the Company
Oak Ridge Coal & Coke Co., Hastings, Pa.....Penn. mines 124
P. A. Address the Company
Oak Ridge Mining Co., (See No. 65).....*Penn. mines* 117
Oakland Coal & Coke Co., Baltimore, Md.....W. Va. mines 208
P. A. Address the Company
Obey City Coal Co., Obey City, Tenn.....Tenn. mines 165
P. A. A. D. Eatherly
Ocean Coal Co., Herminie, Pa.....Penn. mines 156
P. A. Edward Soppitt
Oden Valley Coal Co., The, Coshocton, Ohio.....Ohio mines 90
P. A. G. W. Cassingham
Odin Coal Co., The, Odin, Ill.....Ill. mines 26
P. A. C. H. Morrison
O'Gara, T. J., (See No. 88).....*Ill. mines* 33
O'Gara Coal Co., (See No. 88).....*Ill. mines* 33
O'Gara Coal Mining Co., (See No. 88).....*W. Va. mines* 188
Oglesby Coal Co., Oglesby, Ill.....Ill. mines 22
P. A. J. R. Bent
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P. A. Louis Michaelis
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P A. J. W. Davidson, Flemington, W. Va.

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Pocahontas Mining Co., St. Louis, Mo.....Ill. mines 15
P. A. A. F. Klasing

Pocahontas Smokeless Coal Co., Welch, W. Va.....W. Va. mines 205
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Poplar Hignite Coal & Coke Co., Davisburg, Ky.....Ky. mines 55
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Red Rock Fuel Co., Red Rock, W. Va.....W. Va. mines 212
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ynolds Mining Co., Welch, W. Va.....W. Va. mines 205
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x Carbon Coal Co., Pittsburgh, Pa.....W. Va. mines 178
P. A. C. L. Dixon

x Coal & Coke Co., Ethel, W. Va.....W. Va. mines 195
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ce Coal Co., The, (See No. 121).....Ohio mines 99

chardson Coal Co., Beattyville, Ky.....Ky. mines 61
P. A. Address the Company

ch Hill Coal Co., Hastings, Pa.....Penna. mines 125
P. A. Address the Company

ch Hill Coke Co., Uniontown, Pa.....Penna. mines 136
P. A. Address the Company

ch Mountain Coal & Coke Co., Knoxville, Tenn.....Tenn. mines 160
P. A. H. M. Stokes, Bennett, Tenn.

chland Coal Co., (See No. 91).....W. Va. mines 207

dgway Burton Co., (See No. 100).....Ohio mines 107

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ver & Rail Coal & Coke Co., Morganfield, Ky.....Ky. mines 65
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verside Coal Co., Columbus, Ohio .....Ohio mines 90
P. A. W. D. Edwards

xson Coal Co., Chicago, Ill.....Ill. mines.....38
P. A. Chas. Rixson

ɔane Iron Co., Rockwood, Tenn.....Tenn. mines 166
P. A. Address the Company

ɔanoke Coal & Coke Co., Worth, W. Va.....W. Va. mines 205
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ɔby Coal Co., (See No. 111).....Ohio mines 92-99

ɔby Somers Coal Co., (See No. 111).....Ohio mines 86

ɔckhill Iron & Coal Co., The, Philadelphia, Pa.....Penna. mines 142
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ɔckport Coal Co., Inc., Rockport, Ky.....Ky. mines 63
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ɔden Coal Co., Marvel, Ala.....Ala. mines 4-5
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Rowe, Frederick, Meyersdale, Pa.....Penna. mines 150
P. A. Frederick Rowe

Royal Coal Co., The, Nelsonville, Ohio .....Ohio mines 93
P. A. John Lax

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P. A. C. C. Pless, Coal Creek, Tenn.

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Royal Colliery Co., Philadelphia, Pa.....Ill. mines 24
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Royal Goshen Coal Co., The, New Philadelphia, Ohio..Ohio mines 107
P. A. C. D. Grimes

Runaway Run Coal & Coke Co., Reynoldsville, Pa.....Penna. mines 146
P. A. August Baldauf

Russell Coal & Mining Co., The, Cleveland, Ohio.....Ohio mines 96
P. A. G. C. McKitterick

Sackett Coke Co., Uniontown, Pa.....Penna. mines 136
P. A. H. R. Sackett, Gans, Pa.

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P. A. Address the Company

St. Bernard Mining Co., Inc., Earlington, Ky.....Ky. mines 58-66
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St. Clair Coal Co., The (See No. 85).....Ohio mines 84

St. Louis-Carter Coal Co., Herrin, Ill.....Ill. mines 38
P. A. W. S. Haddaway, St. Louis, Mo.

St. Louis & O'Fallon Coal Co., East St. Louis, Ill.....Ill. mines 32
P. A. Address the Company

St. Paul Coal Co., Chicago, Ill.....Ill. mines 15-30
P. A. J. T. Crocker

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Sale Creek Coal & Coke Co., (See No. 81).....Tenn. mines 164

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P. A. Wm. Dunn

Saline County Coal Co., Chicago, Ill.....Ill. mines 33
P. A. H. E. Stuart

Salisbury Coal Co., The, Toledo, Ohio.....Ohio mines 101
P. A. E. A. Hudson

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gamon Coal Co., Springfield, Ill.....Ill. mines 34-35
P. A. E. H. Buckley

per Coke Co., Uniontown, Pa.....Penna. mines 136
P. A. Address the Company

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ick & Co., M. J., Bellaire, Ohio.....Ohio mines 84
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ipper Bros. Coal Mining Co., Boston, Mass.....Penna. mines 118
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P. A. W. L. Scott

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P. A. Address the Company

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P. A. C. H. Ramsey

ıeca Coal Mining Co., (See No. 79).....Penna. mines 142

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ıde Coal Mining Co., Mount Pleasant, Pa.....Penna. mines 150
P. A. I. F. Overholt

ınklin Coal Co., The Jas. R., Blockton, W. Va.....W. Va. mines 201
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ıron Coal & Limestone Co., Pittsburgh, Pa.....Penna. mines 120-146-147
P. A. T. S. Duncan

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ıwnee Coal Mining Co., The, Columbus, Ohio.....Ohio mines 103-104
P. A. D. C. Jenkins, Shawnee, Ohio

elbyana Coal & Coke Co., Giatto, W. Va.....Ky. mines 64
P. A. Address the Company

enango Coal Co., Newcastle, Pa.....Penna. mines 120
P. A. W. H. Britton

enango Furnace Co., The, Pittsburgh, Pa.....Penna. mines 154
P. A. A. K. Renwick, Wilpen, Pa.

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Shoal Creek Coal Co., Chicago, Ill.....Ill. mines 28
P. A. C. R. Solberg

Shoemaker Coal Mining Co., Philadelphia, Pa.....Penna. mines 125
P. A. P. L. Wolfe

Sholl Bros. Inc., Peoria, Ill.....Ill. mines 29
P. A. J. M. Sholl

Short Line Coal Co., (See No. 56).....W. Va. mines 188

Sibley Bros. Coal Co., Birmingham, Ala.....Ala. mines 6
P. A. S. F. Foster

Silver Run Coal Co., The, Middleport, Ohio.....Ohio mines 101
P. A. W. C. Russell

Simons & Son, A., Redfield, Ohio.....Ohio mines 104
P. A. Address the Company

Sines Bros. & Co., The, New Straitsville, Ohio.....Ohio mines 104
P. A. Jos. Turner

Skelly Coal Co., W. B., Export, Pa.....Penna. mines 156
P. A. W. B. Skelly

Slab Fork Coal Co., Slab Fork, W. Va.....W. Va. mines 210
P. A. J. H. Reid

Sligo Coal & Coke Co., Sligo, Pa.....Penna. mines 129
P. A. Address the Company

Slusser, Murray C., Blacksburg, Va.....Va. mines 170
P. A. M. C. Slusser

Smith, W. E., Wellsville, Ohio.....Ohio mines 96
P. A. W. E. Smith

Smith & Co., A., Dysart, Pa.....Penna. mines 125-134
P. A. A. Smith

Smith & Co., S. L., Wilkinsburg, Pa.....Penna. mines 137
P. A. Address the Company

Smith Coal Co., J. D., Washingtonville, Ohio.....Ohio mines 89
P. A. J. D. Smith

Smith Coal Co., Blaine, W. Va.....W. Va. 199
P. A. Address the Company

Smith Coal Co., Robert, (See No. 62).....Penna. mines 144

Smith Lohr Coal Mining Co., Pana, Ill.....Ill. mines 16-17
P. A. B. Beckenheimer

Smith Mills Coal & Mining Co., Smith Mills, Ky.....Ky. mines 57
P. A. W. W. Hooper

Smith, Meyers & Co., Philadelphia, Pa.....Penna. mines 150
P. A. F. R. Anspach

Smithfield Coal & Coke Co., Smithfield, Pa.....Penna. mines 136
P. A. R. S. Burchinal

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P. A. H. F. Garrett

Snowhill Coal Co., Roscoe, Pa.....Penna. mines 140
P. A. John Jackson

Somerdale Coal Co., The, (See No. 114).....Ohio mines 109

Somers Mining Co., (See No. 111).....Ohio mines 88

Somerset Fuel Co., New York, N. Y.....Penna. mines 150
P. A. A. W. Hillebrand

Somerset & Cambria Coal Co., Johnstown, Pa.....Penna. mines 150
P. A. H. F. Grozier

Sonman Shaft Coal Co., (See No. 17).....Penna. mines 125

South Fayette Coke Co., (See No. 31).....Penna. mines 137-139-156

South Fork Coal Mining Co., (See No. 118).....Penna. mines 125

South Mountain Coal Co., The, Petersburg, Ill.....Ill. mines 27
P. A. F. W. Black

South Oakwood Coal Co., Oakwood, Ill.....Ill. mines 37
P. A. Address the Company

South Palmyra Coal Co., The, (See No. 77).....Ohio mines 105

South Pratt Coal Co., Birmingham, Ala.....Ala. mines 7
P. A. Address the Company

South Side Company, Caperton, W. Va.....W. Va. mines 184
P. A. Address the Company

Southern Coal & Coke Co., Knoxville, Tenn.....*Ala. mines 8*

Southern Illinois Coal Co., Chicago, Ill..... Tenn. mines 160
P. A. N. B. Perkins

*Southern Coal & Coke Co., (See No. 49).....*Ill. mines 17-39-40
P. A. D. P. Bogle, Herrin, Ill.

Southern Pocahontas Coal Co., Knoxville, Tenn. .....Va. mines 171
P. A. C. B. Richardson, Richlands, Va.

Southwestern Coal Co., Clarksburg, W. Va.....W. Va. mines 188
P. A. Address the Company

Spoon River Coal Co., Galesburg, Ill.....Ill. mines 19
P. A. W. D. Godfrey

Spring Coal Mining Co., Philadelphia, Pa.....W. Va. mines 198
P. A. H. E. Harmon, Springton, W. Va.

Spring Creek Coal Co., Springfield, Ill.....Ill. mines 33
P. A. Jos. Trutter

Spring Valley Coal Co., (See No. 96).....Ill. mines 15

Springfield Coal Mining Co., Springfield, Ill.....Ill. mines 16-17-34-35-36
P. A. W. B. Jess

Springfield Coal Mining Co., Ebensburg, Pa.....Penna. mines 125
P. A. J. E. Evans

Springfield Co-Operative Coal Co., Springfield, Ill.....Ill. mines 35
P. A. Address the Company

Spruce River Coal Co., The, (See No. 86).....W. Va. mines 178

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Stage & Son, G. G., Greenville, Pa.....Penna. mines 120
P. A. G. G. Stage

Stage, Isaac, (See No. 106).....Penna. mines 131

Stalter Coal Co., R., Columbus, Ohio.....Ohio mines 93
P. A. J. A. Stalter

Standard Coal Mining Co., (See No. 119).....Penna. mines 120

Standard Coal & Coke Co., Clairfield, Tenn.....Tenn. mines 162-163
P. A. L. R. Eager

Standard Moshannon Coal Co., (See No. 51).....Penna. mines 134

Standard Splint & Gas Coal Co., Standard, W. Va.....W. Va. mines 191
P. A. W. S. Wood

Standard Washed Coal Co., Springfield, Ill.....Ill. mines 35
P. A. E. W. McCullough

Stanley Coal Co., (See No. 11).....Tenn. mines 166

Star Coal Co., Galesburg, Ill.....Ill. mines 19
P. A. W. R. Hawkins

Star Coal Co., Logan, Ohio .....Ohio mines 109
P. A. Address the Company

Star Coal Co., Pittsburgh, Pa.....Penna. mines 152
P. A. C. T. Stewart

Star Coal & Coke Co., The, Red Star, W. Va.....W. Va. mines 184
P. A. G. W. Jones

Star Furnace Co., Jackson, Ohio .....Ohio mines 95
P. A. C. O. Brown

State Line Coal Co., The, (See No. 77).....Ohio mines 89

Stauffer & Co., Jos. R., Scottdale, Pa.....Penna. mines 137
P. A. J. R. Stauffer

Stearns Coal Co., Ltd., Stearns, Ky.....Ky. mines 65-67
P. A. R. W. Henderson

Steen Coal Co., Woodville, Pa.....Penna. mines 114
P. A. Address the Company

Steiner Coal Co., The, Canton, Ohio.....Ohio mines 106
P. A. W. H. Steiner

Sterling Coal Co., Ltd., The, Cleveland, Ohio.....Ohio mines 88-89-100
P. A. H. D. Hileman

Stewart Iron Co., Ltd., Uniontown, Pa.....Penna. mines 137
P. A. Address the Company

Stineman, H. C., South Fork, Pa.....Penna. mines 125
P. A. H. C. Stineman

Stineman Coal Co., O. M., South Fork, Pa.....Penna. mines 125
P. A. Lewis Yost

Stirling Coal & Coke Co., Inc., The, Daniel Boone, Ky..Ky. mines 58
P. A. G. Montgomery

Stone Branch Coal Co., Stone Branch, W. Va.....W. Va. mines 195
P. A. W. W. Tidman

Stonega Coke & Coal Co., Stonega, Va.....Va. mines 171
P. A. C. H. Butcher

Stone Gap Colliery Co., Glamorgan, Va.....Va. mines 172
P. A. J. S. Cheyney

Stoner Coal Co., Berlin, Pa.....Penna. mines 150
P. A. H. K. Stoner

Stonewall Coal Co., Terry, W. Va.....W. Va. mines 210
P. A. Address the Company

Stonington Coal Co., (See No. 45).....Ill. mines 17

Stoyer Run Coal Co., Philadelphia, Pa.....Md. mines 73
P. A. Address the Company

Strabley, Jas. S. Salineville, Ohio.....Ohio mines 88
P. A. Jas. S. Strabley

Straight Creek Coal & Coke Co., Pineville, Ky.....Ky. mines 55
P. A. T. B. Blandford

Straight Creek Coal Mining Co., Cary, Ky.....Ky. mines 55
P. A. W. L. Stollsworth

Strait Coal Co., The, Pinckneyville, Ill.....Ill. mines 30
P. A. Address the Company

Strait Creek Coal Co., Winchester, Ky.....Ky. mines 56
P. A. Kent Prichard, Denton, Ky.

Stuart Colliery Co., (See No. 15).....W. Va. mines 185

Styer, Samuel, Philadelphia, Pa.....Penna. mines 126
P. A. Samuel Styer

Suburban Coal & Mining Co., Belleville, Ill.....Ill. mines 32
P. A. Address the Company

Sugar Creek Coal & Coke Co., (See No. 15).....W. Va. mines 184

Sugar Valley Coal Co., West Terre Haute, Ind.....Ind. mines 50
P. A. L. L. Lehman

Sullivan Bros. Coal Co., Echart, Md.....Md. mines 72
P. A. Address the Company

Sullivan Coal Co., The, Frostburg, Md.....Ky. mines 65
P. A. Address the Company

Sullivan Coal & Coke Co., Sullivan, W. Va.....W. Va. mines 210
P. A. J. A. Wood

Sullivan County Coal Co., Terre Haute, Ind.....Ind. mines 47
P. A. J. N. Balch

Summit Coal Co., Punxsutawney, Pa.....Penna. mines 115
P. A. Address the Company

Summit Coal & Mining Co., Belleville, Ill.....Ill. mines 32
P. A. Address the Company

Summit Coal & Mining Co., Bloomfield, Ind.....Ind. mines 44
P. A. Address the Company

Sun Coal Co., The, Jackson, Ohio.....Ohio mines 95
P. A. Wm. Rhody

GENERAL INDEX OF COAL COMPANIES—(Continued)

Sunday Creek Co., Columbus, Ohio.....Ohio and W. Va. mines
P. A. F. E. Falk 80- 82-93-104-185-193
Sunflower Coal Co., Dugger, Ind.....Ind. mines 47
P. A. Address the Company
Sunnyside Coal Co., Chicago, Ill.....Ill. mines 37-39
P. A. J. J. Riggs
Sunnyside Coal Co., Johnstown, Pa.....Penna. mines 121-126
P. A. Address the Company
Sunnyside Coal & Coke Co., (See No. 60).....Ind. mines 48
Sunrise Coal Co., Dayton, Ohio.....Ky. mines 62
P. A. John Collins
Superior Coal Co., Gillespie, Ill.....Ill. mines 25
P. A. L. S. Carroll, Chicago, Ill.
Superior Coal Co., Jackson, Ohio.....Ohio mines 94-95
P. A. Mark Sternberger
Superior Coal & Mining Co., (See No. 123).....Ill. mines 32
Superior Pocahontas Coal Co., Hallsville, W. Va.....W. Va. mines 206
P. A. P. J. Riley
126 Sutherland Coal & Coke Co., The, Dorchester, Va.....Va. mines 171-172-173
P. A. R. H. Ledford
Wise Coal & Coke Co., The.....Va. mines 172
Swoope Coal Co., (See No. 47).....Penna. mines 134
Swoope Coal Co., H. B., (See No. 47).....Penna. mines 134
Sylvania Coal Co., (See No. 47).....Penna. mines 135
Taggart Coal Co., (See No. 86).....Ohio mines 105
Tamaroa & Little Muddy Coal Co., Tamaroa, Ill.....Ill. mines 30
P. A. J. N. Lisenley
Taylor Coal Co., Chicago, Ill.....Ill. mines 39-40
P. A. J. P. Hebenstreit, Herrin, Ill.
Taylor Coal Co., of Kentucky, Inc., (See No. 120).....Ky. mines 63
Taylor Coal Co., Joseph, O'Fallon, Ill.....Ill. mines 31
P. A. Address the Company
Taylor Coal & Coke Co., Cleveland, Ohio.....Penna. mines 138
P. A. S. A. Fuller
Tearing Run Coal Co., Indiana, Pa.....Penna. mines 144
P. A. M. H. Guthrie
Tecumseh Coal & Mining Co., Bicknell, Ind.....Ind. mines 45
P. A. Valentine Martin
Tennessee Coal Co., The, Knoxville, Tenn.....Tenn. mines 159
P. A. H. R. Smith, Briceville, Tenn.
Tennessee Coal, Iron & Railroad Co.,
Birmingham, Ala.....Ala. and Tenn. mines 4-5-7-164
P. A. W. A. Major
Tennessee Consolidated Coal Co., Tracy City, Tenn.....Tenn. mines 164
P. A. Address the Company
Tennessee Jellico Coal Co., (See No. 76).....Tenn. mines 161

GENERAL INDEX OF COAL COMPANIES—(Continued)

Terry Coal & Coke Co., Hopkinsville, Ky.....Ky. mines 56
P. A. L. G. Williams

Thacker Coal & Coke Co., Elkhorn, W. Va.....W. Va. mines 201
P. A. Address the Company

Thacker Coal Mining Co., Rose Siding, W. Va.....W. Va. mines 201
P. A. Address the Company

Thayer, Estate of N., (See No. 101).....Ky. mines 56

Thomas Coal Co., McComas, W. Va.....W. Va. mines 198
P. A. W. H. Thomas, Godfrey, W. Va.

Thomas Coal Co., The, Morganfield, Ky.....Ky. mines 65
P. A. C. C. Thomas

Thompson Connellsville Coke Co., Pittsburgh, Pa.....Penna. mines 138
P. A. Alan Donnelly

Three Forks Coal Mining Co., The, Philadelphia, Pa....Md. mines 73
P. A. C. E. Jasper, Chaffee, W. Va.

Thropp, Jos. E., Everett, Pa.....Penna. mines 118-142
P. A. B. M. Thropp

Thurmond Coal Co., The, Staunton, Va.....W. Va. mines 184
P. A. Address the Company

Tibbals Coal Co., Lower Greasy, Ky.....Ky. mines 59
P. A. Address the Company

Tidewater Coal & Coke Co., (See No. 103).....W. Va. mines 206

Tilton Coal Co., Danville, Ill.....Ill. mines 37
P. A. Address the Company

Toby Coal Mining Co., Brockwayville, Pa.....Penna. mines 145
P. A. Address the Company

Toluca Coal Co., The, Toluca, Ill.....Ill. mines 26
P. A. G. B. Gallon

Tom Corwin Coal Co., The (See No. 87).....Ohio mines 94-96

Tower Hill Connellsville Coke Co., Uniontown, Pa.....Penna. mines 138
P. A. Address the Company

Troll Coal Mining Co., The, St. Clairsville, Ohio.....Ohio mines 88
P. A. C. W. Troll

Tropic Mining Co., The, (See No. 37).....Ohio mines 102

Trosper Coal Co., The, Trosper, Ky.....Ky. mines 59
P. A. H. E. Bullock

Tucker, C. H., Cleveland, Ohio.....Ohio mines 105
P. A. C. H. Tucker

Tunnel Coaling Co., (See No. 1).....Penna. mines 119-126

Turkey Gap Coal & Coke Co., Ennis, W. Va.....W. Va. mines 206
P. A. E. J. McQuail

Turner Coal Co., Middlesboro, Ky.....Ky. mines 55
P. A. Address the Company

Tuscaloosa Mining Co., Oakman, Ala.....Ala. mines 12
P. A. G. B. Hooper

GENERAL INDEX OF COAL COMPANIES—(Continued)

Tuxhorn Coal Co., Springfield, Ill.....Ill. mines 34-35
P. A. J. W. Jefferson

Twin Branch Mining So., (See No. 99).....W. Va. mines 206

Tygarts River Coal Co., Philadelphia, Pa.....W. Va. mines 177
P. A. C. A. Cook, Arden, W. Va.

Union Coal Mining Co., The, (See No. 39).....Ohio mines 103

United City Coal Mining Co., Bay City, Mich.....Mich. mines 75
P. A. W. D. Meecer

United States Coal Co., The, Cleveland, Ohio.....Ohio mines 96-99
P. A. H. E. Willard

United States Coal & Coke Co., Gary, W. Va.....W. Va. mines 206
P. A. T. S. Duncan

United States Coal & Oil Co., Holden, W. Va.....W. Va. mines 195
P. A. W. T. Smythe

Unity-Connellsville Coke Co., Latrobe, Pa.....Penna. mines 154
P. A. J. F. Irwin

Upland Coal & Coke Co., Elkhorn, W. Va.....W. Va. mines 206
P. A. Thos. Miller

Upper Potomac Coal Co., Philadelphia, Pa.....W. Va. 200
P. A. Address the Company

Upson Coal & Mining Co., The, Newark, Ohio.....Ohio mines 103
P. A. W. F. Upson

Urays Hill Coal Co., Huntingdon, Pa.....Penna. mines 142
P. A. Address the Company

Valley Camp Coal Co., The, Creighton, Pa.....Penna. mines 156
P. A. G. E. Creighton

Valley Coal Co., (See No. 13).....Penna. mines 156

Valley Coal & Stone Co., Johnstown, Pa.....Penna. mines 121
P. A. C. S. Ling

Vandergrift Coal Co., Saltburg, Pa.....Penna. mines 157
P. A. Address the Company

Vaughan Coal & Coke Co., Roderfield, W. Va.....W. Va. mines 206
P. A. Address the Company

Verner Coal & Coke Co., Carnegie, Pa.....Penna. mines 152
P. A. Address the Company

Vesta Coal Co., The, Pittsburgh, Pa.....Penna. mines 153
P. A. Address the Company

Victoria Coal Co., Madisonville, Ky.....Ky. mines 59
P. A. Address the Company

Victoria Coal Co., Cleveland, Ohio.....Ohio mines 102
P. A. H. L. Warner

Victoria Coal Mining Co., New York, N. Y.....Penna. mines 131
P. A. Address the Company

Vigo County Coal Co. (See No. 73).....Ind. mines 50

Vincent Coal Co., Philadelphia, Pa.....W. Va. mines 188
P. A. Address the Company

GENERAL INDEX OF COAL COMPANIES—(Continued)

Vinton Colliery Co., Philadelphia, Pa.....Penna. mines 121-126
P. A. S. K. Smith, Vintondale, Pa.

Virginia Anthracite Coal & Railway Co., Richmond, Va.Va. mines 170
P. A. V. C. Austin, Merrimac Mines, Va.

Virginia City Colliery Co., Inc., Virginia City, Va.....Va. mines 172
P. A. J. E. Rhodemyre

Virginia Fuel Co., (See No. 107).....W. Va. mines 206

Virginia Hill Coal Co., The, Cleveland, Ohio.....Ohio mines 84
P. A. D. J. Jordon

Virginia-Lee Co., Inc., The, Black Mountain, Va.....Va. mines 169-170
P. A. W. H. Wigton

Virginia-Maryland Coal Corp'n., (See No. 78).....W. Va. mines 188

*Virginia-Pocahontas Coal Co., (See No. 97).....*Va. mines 169-170-173

Virginia Iron, Coal & Coke Co., Roanoke, Va.....*W. Va. mines* 206-207
P. A. W. N. Morgan

Virginia-Tennessee Coal Co., Inc., Knoxville, Tenn.....Va. mines 171
P. A. J. R. Adkins, Raven, Va.

Virginia & Pittsburgh Coal & Coke Co., The,
Fairmont, W. Va.....W. Va. mines 196
P. A. Address the Company 24-43-45-92

Vivian Collieries Co., (See No. 88).....Ill., Ind. and Ohio mines

Vulcan Coal Co., Vulcan, W. Va.....W. Va. mines 64-201
P. A. Address the Company

Wabash Coal Co., Quincy, Ill.....Ill. mines 27-36
P. A. S. W. Eldred

Wabash Coal Co., (See No. 89).....Ohio mines 99

Wachovia Coal Co., Cumberland, Md.....Md. mines 73
P. A. F. Mertens' Sons

Wade Coal Co., The, (See No. 117).....Ohio mines 90

Wake Forest Mining Co., Wake Forest, W. Va.....W. Va. mines 191
P. A. Address the Company

Waldensia Coal & Coke Co., The, Cincinnati, Ohio.....Tenn. mines 163
P. A. E. P. Melvin, Waldensia, Tenn.

Walker & Co., E. J., Brisbin, Pa.....Penna. mines 135
P. A. Address the Company

Wallsend Coal & Coke Co., Wallsend, Ky.....Ky. mines 55
P. A. H. H. Dawson

Walnut Hill Coal Mining Co., Detroit, Mich.....Ohio mines 102
P. A. Address the Company

Waltersburg Coke Co., (See No. 92).....Penna. mines 139

Ward Coal Co., Oak Hill, Ohio.....Ohio mines 94
P. A. Address the Company

War Eagle Coal Co., War Eagle, W. Va.....W. Va. mines 201
P. A. Address the Company

Warfield Coal Co., Bramwell, W. Va.....W. Va. mines 201
P. A. Address the Company

GENERAL INDEX OF COAL COMPANIES—(Continued)

Warner-Leonard Coal Co., The, (See No. 124).....*Penna. mines* 152

Warrior-Pratt Coal Co., Birmingham, Ala.....Ala. mines 7
P. A. H. R. Sanson, Porter, Ala.

Warsaw Coal Co., (See No. 70).....*Ill. mines* 29

Washington Coal & Coke Co., Dawson, Pa.....Penna. mines 137-140
P. A. O. S. Blair, Star Junction, Pa.

Washington County Coal Co., Hanlin Station, Pa.....Penna. mines 153
P. A. Address the Company

Wasson Coal Co., Harrisburg, Ill.....Ill. mines 33
P. A. C. M. Wasson

Watts Creek Jellico Coal Co., Wofford, Ky.....Ky. mines 68
P. A. L. F. Gatliff

Waverly Coal & Coke Co., The, (See No. 18).....*Penna. mines* 153

Webster County Coal & Coke Co., Providence, Ky.....Ky. mines 66-67
P. A. Address the Company

Welch Coal & Coke Co., (See No. 90).....*W. Va. mines* 207

Wenona Coal Co., Wenona, Ill.....Ill. mines 26
P. A. W. E. Monser

Werner Coal Co., The Wm. A., Zanesville, Ohio.....Ohio mines 84
P. A. Address the Company

West End Coal Co., of Springfield, Springfield, Ill.....Ill. mines 33
P. A. Address the Company

West Jellico Coal Co., Silerville, Ky.....Ky. mines 67
P. A. W. J. Strunk

West Kentucky Coal Co., Inc., Sturgis, Ky.....Ky. mines 65
P. A. R. J. Foley, Jr.

West Lebanon Coal Co., Cleveland, Ohio.....Ohio mines 110
P. A. Address the Company

West Mine Coal Co., Coulterville, Ill.....Ill. mines 31
P. A. L. D. Jones

West Mining Co., The, Cleveland, Ohio.....Ohio mines 92
P. A. B. H. Rose

Westmoreland Coal Co., (See No. 108a).....*Penna. mines* 157

West Penn Coal Mining Co., (See No. 118).....*Penna. mines* 117

West Pratt Coal Co., (See No. 57).....*Ala. mines* 9-11

West Virginia Coal Co., Marion, Ill.....Ill. mines 40
P. A. G. A. Wallace

West Virginia Colliery Co., Carbon, W. Va.....W. Va. mines 191
P. A. G. K. Cabell, Wevaco, W. Va.

West Wheeling Coal Co., The, Bridgeport, Ohio.....Ohio mines 86
P. A. T. H. Johnson

Westerman-Filer Co., (See No. 122).....*Penna. mines* 147

Weyanoke Coal & Coke Co., (See No. 87).....*W. Va. mines* 198

Wharton Coal & Coke Co., Coral, Pa.....Penna. mines 144
P. A. T. G. Murray

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What Cheer Coal Mining Co., Bay City, Mich.....Mich. mines 75
P. A. A. N. Fancher

Wheeling & Lake Erie Coal Mining Co., The (See No. 24).....Ohio mines 99

White Coal Co., E. E., Glen White, W. Va.....W. Va. mines 210
P. A. E. E. White

White & Sons, J., Belleville, Ill.....Ill. mines 32
P. A. Address the Company

White Oak Fuel Co., (See No. 15).....W. Va. mines 185

White Star Mining Co., The, (See No. 87).....W. Va. mines 201

Whitehead Coal Co., The G. L., Osceola Mills, Pa.....Penna. mines 127
P. A. J. M. Dugan

Widnoon Coal Mining Co., Reynoldsville, Pa.....Penna. mines 117
P. A. J. T. Roberts, Buffalo, N. Y.

Wildwood Coal Co., Boyers, Pa.....Penna. mines 120
P. A. Address the Company

Wilkinson, Roy, Philipsburg, Pa.....Penna. mines 135
P. A. Roy Wilkinson

Williams Coal Co., Inc., (See No. 120).....Ky. mines 63

Williams & Patterson, Wheatcroft, Ky.....Ky. mines 66
P. A. C. J. Goben

Williamson County Coal Co., St. Louis, Mo.....Ill. mines 38
P. A. Address the Company

Williamsville Coal Co., Springfield, Ill.....Ill. mines 35
P. A. Edward Ready

Willis Coal & Mining Co., St. Louis, Mo.....Ill. mines 30-31
P. A. C. H. Krause

Wilmington Coal Mining & Mfg. Co., Chicago, Ill.....Ill. mines 38
P. A. R. L. Fordyce .....

Wilmington Star Mining Co., Chicago, Ill.....Ill. mines 18-19-20
P. A. Address the Company

Wilson Bros. Coal Co., Sparta, Ill.....Ill. mines 31
P. A. G. A. Wilson

Wilson Coal Co., H. T., (See No. 67).....W. Va. mines 195

Wilson Coal & Coke Co., Clarion, Pa.....Penna. mines 129
P. A. R. E. Heidrick

Wind Rock Coal & Coke Co., Bessemer, Ala.....Tenn. mines 159
P. A. C. H. Thompson, Wind Rock, Tenn.

Winifrede Coal Co., (See No. 16).....W. Va. mines 191

Winifrede White Ash Coal Co., Cincinnati, Ohio.....W. Va. mines 201
P. A. Address the Company

Winona Coal & Coke Co., Ruff's Dale, Pa.....W. Va. mines 211
P. A. Address the Company

Wise Coal & Coke Co., The, (See No. 126).....Va. mines 172

Witch Hazel Coal Co., The, Youngstown, Ohio.....Ohio and Penna. mines..99-146
P. A. W. J. Sampson

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Wolf Run Coal Co., The, (See No. 124).....*Ohio mines* 99

Wolshlag Co-operative Coal Co., Peoria, Ill.....Ill. mines 29
P. A. Stephen Wolshlag

Wolverine Coal Co., (See No. 54).....*Mich. mines* 75

Woodland Coal & Coke Co., (See No. 66).....*Penna. mines* 126

Wooldridge Jellico Coal Co., Wooldridge, Tenn.....Tenn. mines 161
P. A. J. H. Queener

Wooley Coal Co., J., Evansville, Ind.....Ind. mines 51
P. A. H. W. Matters

Worsham Newburg Coal Co., Evansville, Ind.....Ind. mines 51
P. A. Address the Company

Wright Coal & Coke Co., The, Wright, W. Va.....W. Va. mines 210
P. A. Address the Company

Wyatt Coal Co., Sharon, W. Va.....W. Va. mines 191
P. A. Address the Company

Wynn Coal Co., Gatliff, Tenn.....Tenn. mines 161
P. A. Address the Company

Yarbrough Coal Co., Carbon Hill, Ala.....Ala. mines 11
P. A. Address the Company

Yellow Creek Coal Co., Middlesboro, Ky.....Ky. mines 162-163
P. A. J. E. Evans

Yellow Run Coal Mining Co., Philadelphia, Pa.....Penna. mines 126
P. A. E. C. Northover, Dunlo, Pa.

Yolande Coal & Coke Co., (See No. 20).....*Ala. mines* 9

York Clay & Mining Co., The, Nelsonville, Ohio.....Ohio mines 80
P. A. W. H. Bennett

Yorkshire Coal Mining Co., Madera, Pa.....Penna. mines 135
P. A. Address the Company

Yuma Coal & Coke Co,. The, Logan, W. Va.....W. Va. mines 195
P. A. Address the Company

Youghiogheny & Ohio Coal Co., Cleveland, Ohio.....Ohio and Penna. mines
P. A. Walter Robson 86-99-114-152-157

Zanesville Coal Co., The Crooksville, Ohio.....Ohio mines 103
P. A. C. W. Joslin

Zechini Coal Co., Newcomb, Tenn.....Tenn. mines 161
P. A. Peter Zechini

Zeigler Coal Co., Chicago, Ill.....Ill. mines 17-18
P. A. W. J. Warr

Zeller, McClellan & Co., Inc., Brazil, Ind.....Ind. mines 43-45
P. A. W. M. Zeller

Zenith Coal & Coke Co., Crumpler, W. Va.....W. Va. mines 207
P. A. Address the Company

Ziegler District Colliery Co., Chicago, Ill.....Ill. mines 17
P. A. F. Schroeder

Zundel Coal Co., The, Smithton, Pa.....Penna. mines 157
P. A. D. L. Zundel

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